

20000114.qrp v01_n700.qrl.20000114

Date: Fri, 14 Jan 2000 19:03:11 EST

From: qrp-l@Lehigh.EDU

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: QRP-L digest 1700

QRP-L Digest 1700

Topics covered in this issue include:

- 1) [60262] Re: Need help on
by "Don Wilhelm" <w3fpr@arrl.net>
- 2) [60263] New Movie - Frequency
by "Ron Polityka" <wb3aal@talon.net>
- 3) [60264] Efficient LED light source - USE PULSES
by Glen Leinweber <leinwebe@mcmail.cis.McMaster.CA>
- 4) [60265] OT:Re: New Movie - Frequency
by Paul Maciel <pmaciel@inow.com>
- 5) [60266] Fw: OT:Re: New Movie - Frequency
by "Ron Polityka" <wb3aal@talon.net>
- 6) [60267] Re: Final log 01/12/2000
by Jay Freeman <jayFreem@direcpc.com>
- 7) [60268] Progress on WAS
by "Bob Tellefsen" <n6wg@earthlink.net>
- 8) [60269] Re: Contacting Chuck Adams
by Jim Durkin <jimdurkin@yahoo.com>
- 9) [60270] Re: New Movie - Frequency
by "Dan W. Dooley" <dandooley@pipeline.com>
- 10) [60271] FOXHUNT:Team Scores
by Bruce Rattray <rattray@gpfn.sk.ca>
- 11) [60272] Re: Antenna Measurements...Best Method/Device?
by Kg2jff@aol.com
- 12) [60273] FOXHUNT:Team Scores
by Bruce Rattray <rattray@gpfn.sk.ca>
- 13) [60274] Rcvd QRP Contest Calendar--WOW!
by "Wilford D. Lindsey" <70511.3041@compuserve.com>
- 14) [60275] ARCI question
by tom whalen <wb5qyt@eFortress.com>
- 15) [60276] FOX:First blood!
by Ed Loranger <we6w@netzero.net>
- 16) [60277] Who Wants to be a QRPer?!?!
by "Paul R. Valko" <prvalko@oakland.edu>
- 17) [60278] Re: FOX:First blood!
by Monte Stark <ku7y@dri.edu>
- 18) [60279] Re: ARCI question
by Monte Stark <ku7y@dri.edu>
- 19) [60280] Re: Efficient LED light source - USE PULSES

- by "Samuel A. Falvo II" <kc5tja@armored.net>
- 20) [60281] Re: Log / QSL programs...
by "KA5T Larry Wise" <lewise@inetport.com>
- 21) [60282] More HBR-20 notes
by "AI2Q Alex" <ai2q@ispchannel.com>
- 22) [60283] QSLs Coming....but Check 'Em :-)
by "Wilford D. Lindsey" <70511.3041@compuserve.com>
- 23) [60284] Re: Log / QSL programs...
by "MGTGAZ" <gustoff@access1.net>
- 24) [60285] QSL's -/QRP
by radioham@erols.com
- 25) [60286] 160 meter QRPppp attempt
by jmarran@juno.com
- 26) [60287] POQET PC PLUS site
by S LYON <sslyon@worldnet.att.net>
- 27) [60288] FS:MFJ 40 meter SSB/CW QRP and MFJ QRP Tuner
by "W.six.ABC Oakland" <w6abc@yahoo.com>
- 28) [60289] Re: More HBR-20 notes
by gsurrency@juno.com
- 29) [60290] Absorptive SWR Circuit Question
by Ed Kessler <edkess@epix.net>
- 30) [60291] 160 MTRS
by Fred Lesnick <flesnick@tbaytel.net>
- 31) [60292] Fox: propagation
by Pete Burbank <plburbank@kih.net>
- 32) [60293] OT: Camp X ham?
by Paul Erickson <paule@sfu.ca>
- 33) [60294] Speaking of QSL Cards....
by "Rod, N0RC" <n0rc@yahoo.com>
- 34) [60295] Atlanticon Kit is ready ...it's a Snap!
by "George Heron N2APB" <n2apb@erols.com>
- 35) [60296] 160 Meter antennas, a few thoughts...
by aweiss@usd.edu (Ade Weiss W0RSP)
- 36) [60297] NOGAnaut.....
by jmarran@juno.com
- 37) [60298] RF power measurement discrepancies?
by aweiss@usd.edu (Ade Weiss W0RSP)
- 38) [60299] Prelim FOX Report (N7MFB)
by "Bill Todd" <zapzap73@hotmail.com>
- 39) [60300] 160m QSO Party - sort of!!
by aweiss@usd.edu (Ade Weiss W0RSP)
- 40) [60301] looking for clear label source
by Dana E Hager <dehager@ix.netcom.com>
- 41) [60302] Re: looking for clear label source
by Russ Hines <radioruss@fuse.net>
- 42) [60303] OPERATING: 160 new record again
by "Dieter Gentzow - WB8QYY" <wb8qyy@one.net>
- 43) [60304] Re: 160m QSO Party - sort of!!

- by "Nick Kennedy" <nkennedy@tcainternet.com>
- 44) [60305] Re: Log / QSL programs... Corrections/Additions
by "KA5T Larry Wise" <lewise@inetport.com>
- 45) [60306] Another source of in-home RFI
by "Faith III, Don C" <FaithD@mail01.dnr.state.wi.us>
- 46) [60307] W4RNL web site
by Mike Maiorana <mikemo@attglobal.net>
- 47) [60308] Re: QRP Wattmeter
by "Nick Kennedy" <nkennedy@tcainternet.com>
- 48) [60309] Re: OPERATING: 160 new record AGAIN !
by Jim Hale <kj5tf@yahoo.com>
- 49) [60310] Re: W4RNL web site
by olyellr@iglou.com
- 50) [60311] Pulsing LEDs: Foot in Mouth
by Bruce Kizerian <kizerian@ced.utah.edu>
- 51) [60312] Movie: Frequency
by "AI2Q Alex" <ai2q@ispchannel.com>
- 52) [60313] 160 gang is growing
by "Peter Pavlovich" <radioroom@hotmail.com>
- 53) [60314] OT: Poqet.... another logger - TRlog
by Paul Erickson <paule@sfu.ca>
- 54) [60315] Re: Pulsing LEDs: Foot in Mouth
by "Mike Yetsko" <myetsko@insydesw.com>
- 55) [60316] Re: looking for clear label source
by tbessler@OregonVOS.net (Tom Bessler)
- 56) [60317] Re: RF power measurement discrepancies?
by Tayloe Dan-P26412 <Dan.Tayloe@motorola.com>
- 57) [60318] XCVR: RedHot 40 progress
by Allan G Taylor <agtaylor@ix.netcom.com>
- 58) [60319] Re: RF power measurement discrepancies?
by "Nick Kennedy" <nkennedy@tcainternet.com>
- 59) [60320] OPERATING: 12 meters
by "Dieter Gentzow - WB8QYY" <wb8qyy@one.net>
- 60) [60321] NorCal Toroid & Cap Kits
by WA6GER@aol.com
- 61) [60322] Re: W4RNL web site
by "L. B. Cebik" <cebik@utkux.utcc.utk.edu>
- 62) [60323] Re: Efficient LED light source - USE PULSES
by Nils R Young <nilsbull@juno.com>
- 63) [60324] Re: RF power measurement discrepancies?
by "Steven Weber" <kd1jv@moose.ncia.net>
- 64) [60325] Re: Log/QSL programs...
by K1DXradio@aol.com
- 65) [60326] Source for THIN WHITE wire for 'invisible' antenna?
by "Mike Pupeza" <mpupeza@softecs.net>
- 66) [60327] Re: W4RNL web site
by "Frank G3YCC" <frank@g3ycc.karoo.co.uk>
- 67) [60328] vertical alignment

- by ac5ez@webtv.net (K1zw)
- 68) [60329] mobile antenna for 7mhz!
by Kleibe Jacinto de Araujo <kleibe@anatel.gov.br>
- 69) [60330] 160m w/limited antennas
by "Steve/n0tu" <n0tu@webaccess.net>
- 70) [60331] Re: [Elecraft] Front & rear travel covers extrapolated
by "Richard E. Robinson" <rerobins@email.uncc.edu>
- 71) [60332] RE: [Elecraft] Front & rear travel covers extrapolated
by Sam_Stimson@Dell.com
- 72) [60333] paddle for pc
by "Scott Howell" <n3byy@yahoo.com>
- 73) [60334] 160 Meter Band Antenna.
by Ed Loranger <we6w@qsl.net>
- 74) [60335] W1HUE/7 - Larry
by wb2vuo@juno.com
- 75) [60336] Solder Lugs
by hattonte@gdls.com
- 76) [60337] Re: mobile antenna for 7mhz!
by af852@rgfn.epcc.edu (William R Colbert)
- 77) [60338] Re: vertical alignment
by "L. B. Cebik" <cebik@utkx.utcc.utk.edu>
- 78) [60339] Re: QRP Wattmeter
by Bob Kellogg <ae4ic@nr.infi.net>
- 79) [60340] Operating event - QRPowWow
by Bob Kellogg <ae4ic@nr.infi.net>
- 80) [60341] Re: vertical alignment
by Roger Hightower <n7kt@earthlink.net>
- 81) [60342] Re: QSL's -/QRP
by "Dan W. Dooley" <dandooley@pipeline.com>
- 82) [60343] Re: Source for THIN WHITE Wire for 'invisible' antenna?
by wb2vuo@juno.com
- 83) [60344] Re: QSL's -/QRP
by "Wilford D. Lindsey" <70511.3041@compuserve.com>
- 84) [60345] Re: New Movie - Frequency
by "Brian K. Miller" <millerbk@lancnews.infi.net>
- 85) [60346] Re: More HBR-20 notes
by "Brian K. Miller" <millerbk@lancnews.infi.net>
- 86) [60347] Re: QSL's -/QRP
by Monte Stark <ku7y@dri.edu>
- 87) [60348] Sierra Audio expectations.
by Ed Loranger <we6w@qsl.net>

Date: Thu, 13 Jan 2000 19:02:31 -0500
From: "Don Wilhelm" <w3fpr@arrl.net>
To: <km5im@telepath.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [60262] Re: Need help on

Message-ID: <006401bf5e22\$fe206c60\$d7920e04@dbw-11-main>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Johnny,
The ARRL handbook has info on polar coordinates that is more than adequate for the extra exam. My 1999 handbook has it in Chapter 6 under the sub-title "Reactance".

The real key to doing polar coordinates with reactances is to think of the point on the impedance graph (inductive is upward, capacitive is downward, while the resistive component is horizontal to the right from the graph origin.) Plot the graphed point, then find the length (and angle) of the line from the graph origin to the point. If you have a basic understanding of the geometry of right triangles, you should have no problem.

If you need more info - feel free to contact me direct.

Don W3FPR

-----Original Message-----
From: Johnny <km5im@telepath.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Date: Thursday, January 13, 2000 12:44 PM
Subject: Need help on

>Hi
>
>I am upgrade to extra class need some help on the following:
>Exams question
>E5E Impedances and phase angles of series and parallel circuits
>
>

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<http://www.netzero.net/download/index.html>

Date: Thu, 13 Jan 2000 07:13:43 -0500
From: "Ron Polityka" <wb3aal@talon.net>
To: ". QRP-L" <qrp-l@Lehigh.EDU>

Subject: [60263] New Movie - Frequency
Message-ID: <000d01bf5dbf\$a2fa1ba0\$25e508cf@wb3aal>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hello,

I was just watching Entertainment Tonight and they did
a review of a new movie that is coming out soon. It is
called:

Frequency

It is about a son talking to his father who is dead for 20
years via ham radio. The father said we must be talking
on the biggest solar flare of all times. It looked like vintage
Heathkit equipment.

Did anyone else catch this preview?

72 & 73
Good DXing

Ron Polityka
de WB3AAL
wb3aal@talon.net

vvv Eastern Pennsylvania QRP Web Page vvv
<http://www.n3epa.org>
Eastern Pennsylvania QRP Club Call --> N3EPA

EPA QRP #1	NJ QRP #179
KL7 QRP # 309	G-QRP # 3031
ARCI QRP # 5318	10 - X #13173
NorCal	Zombie #625
ARS # 380	HI-QRP #153
VA QRP Society	

SETI @ Home Project
<http://setiathome.ssl.berkeley.edu>
120 + Work Units Completed

Date: 13 Jan 2000 19:15:53 -0500

From: Glen Leinweber <leinwebe@mcmail.cis.McMaster.CA>
To: qrp-l;;
Subject: [60264] Efficient LED light source - USE PULSES
Message-ID: <2000Jan13.191553-0500@[130.113.234.7]>

Some on this list claim that pulse-driven LEDs appear brighter than DC-driven LEDs. Yeah, weird eyes. Being a doubting Thomas, I did the following experiment: Got two similar red LEDs to compare one against the other. One was driven from a DC supply. It was set to a low glow in a dark room, and was kept at this level throughout. The other was driven from a function generator. Pulse waveform with variable duty cycle. A meter was set up to measure average current. Function generator freq was set to 45 Hz. - fast enough to not visibly flicker.

The duty cycle of the pulse was varied, and the amplitude was adjusted so the two LEDs appeared (by eye) to glow the same brilliance. The average current was measured.

Results:

Duty cycle Current(Avg)

100%(DC) 20uA
81% 21uA
49% 14uA
20% 12uA

This result totally blew me away!

Results favour the 20% duty cycle end (as far as my generator would go). If your eye was linear, all the average currents should be the same.

It's true: you're better off to pulse a LED with a short, intense shot of current, then let it rest some milliseconds. Your eye isn't quite a "peak" detector, but "peaky" pulses do seem to give a brighter impression. With the LEDs set up at high intensity, less pulse-width effect was noticeable (but eyeball error was larger).

A CMOS resistor/capacitor astable multivibrator would be a good circuit to drive a few series-connected LEDs. If necessary, an enhancement MOSfet (MTP3055) would be a very effective ON/OFF switch.

- "Blinky" Glen VE3DNL

Date: Thu, 13 Jan 2000 16:22:00 -0800
From: Paul Maciel <pmaciel@inow.com>
To: wb3aal@talon.net, Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [60265] OT:Re: New Movie - Frequency

Message-ID: <387E6C28.C08DD074@inow.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi Ron,

It is a upcoming release from New Line Cinema due for release in April.

Check out: <http://www.frequencymovie.com/>

---Paul AK1P San Jose, CA

Date: Thu, 13 Jan 2000 07:27:56 -0500
From: "Ron Polityka" <wb3aal@talon.net>
To: ". QRP-L" <qrp-l@Lehigh.EDU>, ". Eastern PA QRP Club" <epaqrp-l@Lehigh.EDU>
Subject: [60266] Fw: OT:Re: New Movie - Frequency
Message-ID: <003301bf5dc1\$9fa93100\$25e508cf@wb3aal>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

----- Original Message -----
From: Paul Maciel <pmaciel@inow.com>
To: <wb3aal@talon.net>; Low Power Amateur Radio Discussion
<qrp-l@Lehigh.EDU>
Sent: Thursday, January 13, 2000 7:22 PM
Subject: OT:Re: New Movie - Frequency

> Hi Ron,
>
> It is a upcoming release from New Line Cinema due for release in April.
>
> Check out: <http://www.frequencymovie.com/>
>
> ---Paul AK1P San Jose, CA
>
>

Date: Thu, 13 Jan 2000 18:36:24 -0600
From: Jay Freeman <jayFreem@direcpc.com>
To: Mike Gipe <mgipe@reliablemeters.com>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [60267] Re: Final log 01/12/2000
Message-ID: <387E6F88.D51BBEDF@direcpc.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi Mike,

Mike Gipe wrote:

> I would be interested in hearing about your impressions of the hunt. What
> was it like from your end? What should the hunters have done to make your
> life easier? What could you have done differently which would have made it
> easier for yourself? Did you enjoy it? What should we learn from it, as a
> group?
>

Since you asked :), I thought it was a lot of fun, once I got the first 2 or 3 contacts out of the way. As you know, I've never been a fox before. And since I haven't been able to get on the air over the past 3 months or so, I've never been a hound either. So I had no idea what it would be like, really :). I'm sure it would have gone smoother if I'd had the chance to be hound earlier.

I wasn't too troubled with qrm, I had my DSP-3 set at 100 Hz, and tuned around about + or - 300 Hz trying to find a signal I could make out. It worked pretty well for me, anyway. Even the SSB qrm sometimes worked to my advantage, as it silenced the white noise and made a few cw signals really jump out. I thought the symbiotic use of QRM was pretty cool :).

I suppose it would have been easier if I had let everyone know what I was going to do before hand, but I didn't do that for 2 reasons: 1- it's called a foxhunt, a fox is supposed to be elusive, and 2 - I didn't know what I was going to do before I started anyway :).

As for the hounds, I think most of them figured out I wasn't listening only on my calling frequency pretty quickly, and began to spread out from my transmit freq, but they tended to cluster on top of one another at multiples of 50 Hz off. No one thought of splitting those 50 Hz gaps in two. It doesn't sound like much, but if you've ever used one of these DSP filters you know how incredibly they can slice out a piece of spectrum for you. I never operate without it, sometimes it's not engaged, but it's always ready to go :).

As a group, perhaps we should learn that the rules might need to be clarified. There seem to be several definitions of what is and what isn't split operation.

I think it would be really cool to make it more like a real foxhunt, where the fox periodically disappears down a drainpipe, or a ditch, only to reappear 1000 yards from where everyone thought he was. You could do this on the air by picking say, a 20 KHz window and having the fox move to any *clear* frequency inside it whenever he feels like it. It would be fun, but I guess it could tick a lot of non-participants off :).

Just my \$.02 :)

Jay

--

```
*-----*
* Jay Freeman - WT9S                      ARRL *
* G-QRP 10319 QRP-ARCI 9981 ARS 562        *
* SASS #18700                             NRA Life *
*-----*
```

Date: Thu, 13 Jan 2000 17:04:09 -0800
From: "Bob Tellefsen" <n6wg@earthlink.net>
To: <qrp-l@Lehigh.EDU>
Subject: [60268] Progress on WAS
Message-ID: <01bf5e2b\$43800010\$32d9fc9e@ham.earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Well, many thanks to Joel, K1QM, I now have a logged 40m QSO with MA. He has a QSL in the mail for me. We squeaked it out with 229 signals both ways last night.

My goal is to finish my two-way QRP 40m WAS this year.
I still need VT, NH and DE to finish. Do we have any QRP-L members in those states that might be willing to try a sked with CA?
73, Bob N6WG
Newark, CA on SF Bay

Date: Thu, 13 Jan 2000 17:09:58 -0800 (PST)
From: Jim Durkin <jimdurkin@yahoo.com>
To: jimdurkin@yahoo.com, Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>

Subject: [60269] Re: Contacting Chuck Adams
Message-ID: <20000114010958.11538.qmail@web305.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Thanks to all who responded.
Chuck sent me an email with his correct email address.
73
Jim

--- Jim Durkin <jimdurkin@yahoo.com> wrote:
> I paid Chuck Adams for some CW tapes a couple of
> months back and haven't received them. Don't seem
> able
> to reach him. Anyone know how to make contact?
> 73
> Jim
> -----
> Do You Yahoo!?
> Talk to your friends online with Yahoo! Messenger.
> <http://im.yahoo.com>
>

Do You Yahoo!?
Talk to your friends online with Yahoo! Messenger.
<http://im.yahoo.com>

Date: Thu, 13 Jan 2000 19:09:39 -0600
From: "Dan W. Dooley" <dandooley@pipeline.com>
To: <wb3aal@talon.net>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [60270] Re: New Movie - Frequency
Message-ID: <001b01bf5e2c\$0897c7c0\$05987b7b@CSS0048.bergenbrunswick.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Oh no! more weird science to educate the younger generation in the sciences..... And, give people a crazy view of ham radio.

Dan W. Dooley WB5TKA
e-mail to: dandooley@pipeline.com
May Goddes love blest ye alle

-----Original Message-----
From: Ron Polityka <wb3aal@talon.net>

To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Date: Thursday, January 13, 2000 6:14 PM
Subject: New Movie - Frequency

>Hello,
>
> I was just watching Entertainment Tonight and they did
>a review of a new movie that is coming out soon. It is
>called:
>
>Frequency
>
>It is about a son talking to his father who is dead for 20
>years via ham radio. The father said we must be talking
>on the biggest solar flare of all times. It looked like vintage
>Heathkit equipment.
>
> Did anyone else catch this preview?
>
>72 & 73
>Good DXing
>
>

Date: Thu, 13 Jan 2000 19:15:47 -0600 (CST)
From: Bruce Rattray <rattray@gpfn.sk.ca>
To: QRP-Canada <qrp-canada@lists.gpfn.sk.ca>, Low Power Group <qrp-1@LeHigh.EDU>
Subject: [60271] FOXHUNT:Team Scores
Message-ID: <Pine.LNX.3.95.1000113190912.14539B-100000@neale.gpfn.sk.ca>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

..DON'T FORGET FOXII, SEND YOUR "FINAL LOG" TO ME AS WELL
AS TO PAUL...that will be a big help...thank you all....

Fox Hunt 19 - NOAR -

20th. MAINE BENGAL BEARS:Total=8 BLUE J's:Total=12

Jim - N5IB
Butch - N5SMQ
Bill - NT1R
Joel - KE1LA

DURHAM MORSE MEN:Total=0

Jim - VE3KQN
Ken - VE3ELA
John - VA3JE
Garry - VE3REP

HOUSTON HOUNDS:Total=55"Sweep"

Bill - K5ZTY <-
Bill - W5SB <-
Terry - KQ5U <-
Dan - KK5LD <-

NIGHT OWLS:Total=29

Ed - WE6W
Rich - N5JI <-
Dan - N7CQR
Ben - NW7DX <-

RAIDERS OF THE LOST RF:Total=32

Fred - VE3FAL
Earl - VE6EWM <-
Mary - NA6E
Bruce - VE5RC <-

SFBA FOGHORNS:Total=16

Bob - N6WG <-
Conrad - NN6CW
Andreas - N6NU
Allan - K7GT

SWORDS:Total=31

Rick - WB6JBM
Andy - KC8KFI
Doc - K0EVZ <-
Dan - N8IE

John - VE3JC <-
Jim - VE6JWA
Jeff - VA3JFF
Jon - TF3JA

EMPIRE HOUNDS:Total=12

Dick - K2REB
Kevin - N2TO
Mark - N2JTW
Nick - KF2PH <-

MANGY MUSHERS:Total=43"Sweep"

Pete - NV4V <-
Paul - VA7NT <-
Bruce - N7RR <-
Ed - K1VP <-

OKLAHOMA TORNADOS:Total=38

Cliff - AB5UA <-
Royce - KE5TC
Don - K5AAR
Gody - AC6U

SCATTER SHOT GUNNERS:Total=53

Mike - K1MG <-
Jack - W5TFB <-
Stan - N6XU <-
Pat - K0PC

SWAMP RATS:Total=54

Tom - N1TP <-
Mac - AF4PS <-
Fred - W2XN
Paul - AJ4Y <-

TEAM CRAMP.COM:Total=33

OJ - K10J <-
George - K5VUU
Mike - K5NZ
Eric - NM5M

TEAM ScQRPion:Total=54

Floyd - NQ7X <-

Gary - AB7MY

Conard - WS4S <-

Bob - KI7MN <-

TEXAS TARANTULAS:Total=50

Bill - K5LN

Dave - N5IW

Bob - AF5Z

Tom - N5TW <-

WESTERN WRANGLERS:Total=25

Randy - K7TQ

Chuck - K7QO

Steve - WW7Y

Ron - KU7Y <-

TESLA'S TERRORS:Total=72"Sweep"

Wayne - N0EA <-

Dan - N0DT <-

Tim - N0EHW <-

Joe - W0JOE <-

UNDERDOGS:Total=59

Roy - AB7CE <-

Dan - N4ROA <-

Brian - KB9BVN

Ron - KI0II <-

NORTEX Irregulars:Total=6

Doc - W5TB <-

Joe - KK5NA Steve

Don - N5YAK

Barb - KK5QA

...72 - Bruce(VE5RC+VE5QRP)

Date: Thu, 13 Jan 2000 20:17:07 EST
From: Kg2jf@aol.com
To: qrp-1@lehigh.edu
Subject: [60272] Re: Antenna Measurements...Best Method/Device?
Message-ID: <f5.1b399a.25afd313@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

Wow.....got some great advise from this list. I would like to publicly thank all that responded.

The outcome is I will be going to the library. I need additional education on antennas before I spend any money.

This is a great list and thanks again.....Jerry kg2jf

Date: Thu, 13 Jan 2000 19:21:38 -0600 (CST)
From: Bruce Rattray <rattray@gpfn.sk.ca>
To: QRP-Canada <qrp-canada@lists.gpfn.sk.ca>, Low Power Group <qrp-1@LeHigh.EDU>
Subject: [60273] FOXHUNT:Team Scores
Message-ID: <Pine.LNX.3.95.1000113191631.14539C-100000@neale.gpfn.sk.ca>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

..DON'T FORGET FOXII, SEND YOUR "FINAL LOG" TO ME AS WELL
AS TO PAUL...that will be a big help...thank you all....

Fox Hunt 120 - WT9S -

20th. MAINE BENGAL BEARS:Total=8 BLUE J's:Total=12

Jim - N5IB
Butch - N5SMQ
Bill - NT1R
Joel - KE1LA

John - VE3JC <-
Jim - VE6JWA
Jeff - VA3JFF
Jon - TF3JA

DURHAM MORSE MEN:Total=0

Jim - VE3KQN
Ken - VE3ELA
John - VA3JE
Garry - VE3REP

EMPIRE HOUNDS:Total=12

Dick - K2REB
Kevin - N2TO
Mark - N2JTW
Nick - KF2PH <-

HOUSTON HOUNDS:Total=55

Bill - K5ZTY
Bill - W5SB
Terry - KQ5U
Dan - KK5LD

MANGY MUSHERS:Total=44

Pete - NV4V <-
Paul - VA7NT
Bruce - N7RR
Ed - K1VP

NIGHT OWLS:Total=30

Ed - WE6W
Rich - N5JI <-
Dan - N7CQR
Ben - NW7DX

OKLAHOMA TORNADOS:Total=39

Cliff - AB5UA
Royce - KE5TC
Don - K5AAR <-
Gody - AC6U

RAIDERS OF THE LOST RF:Total=32

Fred - VE3FAL
Earl - VE6EWM
Mary - NA6E
Bruce - VE5RC

SCATTER SHOT GUNNERS:Total=54

Mike - K1MG <-
Jack - W5TFB
Stan - N6XU
Pat - K0PC

SFBA FOGHORNS:Total=16

SWAMP RATS:Total=57

Bob - N6WG
Conrad - NN6CW
Andreas - N6NU
Allan - K7GT

SWORDS:Total=32

Rick - WB6JBM
Andy - KC8KFI
Doc - K0EVZ <-
Dan - N8IE

TEAM ScQRPion:Total=55

Floyd - NQ7X
Gary - AB7MY
Conard - WS4S <-
Bob - KI7MN

TEXAS TARANTULAS:Total=50

Bill - K5LN
Dave - N5IW
Bob - AF5Z
Tom - N5TW

WESTERN WRANGLERS:Total=26

Randy - K7TQ
Chuck - K7Q0
Steve - WW7Y
Ron - KU7Y <-

Tom - N1TP <-
Mac - AF4PS <-
Fred - W2XN
Paul - AJ4Y <-

TEAM CRAMP.COM:Total=33

OJ - K10J
George - K5VUU
Mike - K5NZ
Eric - NM5M

TESLA'S TERRORS:Total=76"Sweep"

Wayne - N0EA <-
Dan - N0DT <-
Tim - N0EHW <-
Joe - W0JOE <-

UNDERDOGS:Total=61

Roy - AB7CE
Dan - N4ROA <-
Brian - KB9BVN
Ron - KI0II <-

NORTEX Irregulars:Total=6

Doc - W5TB
Joe - KK5NA Steve
Don - N5YAK
Barb - KK5QA

...72 - Bruce(VE5RC+VE5QRP)

Date: Thu, 13 Jan 2000 20:27:17 -0500
From: "Wilford D. Lindsey" <70511.3041@compuserve.com>
To: "INTERNET:wb3aal@talon.net" <wb3aal@talon.net>
Cc: "W.D.(Doc)Lindsey/K0EVZ" <70511.3041@compuserve.com>, QRP-L Discussion Group
<QRP-L@Lehigh.edu>
Subject: [60274] Rcvd QRP Contest Calendar--WOW!
Message-ID: <200001132031_MC2-94B3-B259@compuserve.com>
MIME-Version: 1.0
Content-Transfer-Encoding: 7bit
Content-Type: text/plain;
 charset=us-ascii
Content-Disposition: inline

Ron:

Received the QRP Contest calendar yesterday. Just wanted to say how pleased I am to have it. It is a grand slam home run, as far as I am concerned. Thanks for printing it after all. Will be very useful all throughout the year :-).

72,

--Doc Lindsey/K0EVZ

DSBF

PO BOX 6028

Bismarck, ND 58506

K0EVZ@arrl.net

Date: Thu, 13 Jan 2000 18:19:03 -0700
From: tom whalen <wb5qyt@eFortress.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [60275] ARCI question
Message-ID: <387E7987.1FF9@eFortress.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Gang,

I just received my first issue of the QRPQ....WOW, this sucker is a novel of information. Question: Is that my ARCI number that is on the envelope that the mag came in? The number reads...10141... Is there that many members in the ARCI?

72, Tom WB5QYT

PS: Can't wait to finally give my ARCI nr in the next contest instead of pwr out!!

Date: Thu, 13 Jan 2000 18:15:41 -0800
From: Ed Loranger <we6w@netzero.net>
To: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [60276] FOX:First blood!
Message-ID: <387E86CD.1D9812D@netzero.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Bill is casual but effective. Quite an enjoyable fox to nab! Go get

him!

Oh, and I'm in the log at the top :)

Back to my crossword puzzle with the hunt pleasantly playing the finest music.

72/Ed we6w

--

72/Ed we6w; AR Millennium Q's=>2479/2000 A-1 OP

<http://www.qsl.net/we6w> Santa Rosa, CA

QRP-Z#106 AR#112 HI#64 ARCI#9397 ARS#275 L#1068 NC#2227

NetZero - Defenders of the Free World
Get your FREE Internet Access and Email at
<http://www.netzero.net/download/index.html>

Date: Thu, 13 Jan 2000 21:29:50 -0500 (EST)
From: "Paul R. Valko" <prvalko@oakland.edu>
To: QRP List <qrp-l@lehigh.edu>
Subject: [60277] Who Wants to be a QRPer?!?!
Message-ID: <Pine.0SF.4.20.0001132125130.3848-100000@saturn3.acs.oakland.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Obviously this guy on Who wants to be a Millionaire isn't a QRPer as he just burned a "lifeline" on the question, "Which of the following mints is curiously strong?"

Get back to the foxhunt...

73! =paul= W8KC

Collector of Ten*Tecs and other fine plastics.

Visit the Virtual Ten*Tec Museum at:

<<http://www.acs.oakland.edu/~prvalko>>

Date: Thu, 13 Jan 2000 18:52:02 -0800 (PST)
From: Monte Stark <ku7y@dri.edu>

To: Ed Loranger <we6w@netzero.net>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [60278] Re: FOX:First blood!
Message-ID: <Pine.GS0.4.10.10001131849380.9415-1000000@rotor.dri.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Thu, 13 Jan 2000, Ed Loranger wrote:

> Bill is casual but effective. Quite an enjoyable fox to nab! Go get
> him!
>
> Oh, and I'm in the log at the top :)

Congrats Ed.

I got there just after the hunt started. Heard the Fox work
a hound just a few Hz up and set my TX freq up a bit more
than that.

He finished, I called. Didn't realize that the keyer was
set someplace around 25-30 wpm. But that didn't bother
Bill.....he got it on the first call!

Good job Bill and you have a very nice sig here tonight.

cul,

73, Ron

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....
....ku7y@dri.edu....Washoe Lake, Nevada....NRA LIFE....
.....SOWP 5545M.....WHINERS #1.....ZOMBIE #18.....

Date: Thu, 13 Jan 2000 18:57:55 -0800 (PST)
From: Monte Stark <ku7y@dri.edu>
To: tom whalen <wb5qyt@eFortress.com>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [60279] Re: ARCI question
Message-ID: <Pine.GS0.4.10.10001131852240.9415-1000000@rotor.dri.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Thu, 13 Jan 2000, tom whalen wrote:

> Gang,
>
> I just received my first issue of the QRPQ....WOW, this sucker is a
> novel of information. Question: Is that my ARCI number that is on the
> envelope that the mag came in? The number reads...10141... Is there that
> many members in the ARCI?

Hi Tom,

Yes, that's your membership number.

Here is how the numbers work.

The number is good forever. They do not get reissued. So the total number of people who have been and are members is well over 10,000.

The number of paid up, "active" members is someplace around 1,400-1,500. That number is published once each year.

I hope to work you and get your number in my log in the next ARCI contest!

Thanks for joining and glad you like the Quarterly. Mary is doing a SUPER job as the Editor as are all those who make it happen.

Most people have no idea just how much work (time) goes into something like these "little" QRP club magazines! But it's a whole bunch x 2. :-)

cul,

73, Ron

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....
....ku7y@dri.edu....Washoe Lake, Nevada....NRA LIFE....
.....SOWP 5545M.....WHINERS #1.....ZOMBIE #18.....

Date: Thu, 13 Jan 2000 19:00:26 -0800 (PST)
From: "Samuel A. Falvo II" <kc5tja@armored.net>
To: Glen Leinweber <leinwebe@mcmail.cis.McMaster.CA>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [60280] Re: Efficient LED light source - USE PULSES
Message-ID: <Pine.LNX.3.96.1000113185531.4615B-1000000@garnet.armored.net>

MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On 13 Jan 2000, Glen Leinweber wrote:

> Some on this list claim that pulse-driven LEDs appear
> brighter than DC-driven LEDs. Yeah, weird eyes. Being

It has nothing to do with weird eyes. It has everything to do with temperature.

You see, when pulsing an LED, its duty cycle is less than 100% -- it doesn't get as hot as fast. Therefore, you can pump MORE current through the LED per pulse. All in all, the LED consumes the same amount of power.

Since the LED's pulses use greater current, it blinks brighter. However, due to human persistence of vision, any pulsing faster than about 10 to 15 times a second appears to NOT be pulsing.

Thus, you see a brighter source of light, while at the same time, keeping the LED cool enough to be run at higher currents.

> 100%(DC) 20uA
> 81% 21uA
> 49% 14uA
> 20% 12uA
>

> This result totally blew me away!

For the reasons stated above.

> It's true: you're better off to pulse a LED with a short,
> intense shot of current, then let it rest some milliseconds.

You can also "overdrive" the LED this way as well, getting even more illumination from the LED than what it was designed for. Just make sure you're pulsing the LED -- overdriven DC to an LED will destroy it.

--

KC5TJA/6, DM13, QRP-L #1447
Samuel A. Falvo II
Oceanside, CA

Date: Fri, 14 Jan 2000 02:59:28
From: "KA5T Larry Wise" <lewise@inetport.com>

To: "qrp" <qrp-1@lehigh.edu>
Subject: [60281] Re: Log / QSL programs...
Message-ID: <200001140303.VAA28820@admin.inetport.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

Gang:

Here is the summary of the responses that I got to the request for logging programs...

Thanks again to all who responded.

First column - Number of references
Second column - Name or ID of program
Third column - Location or contact point if given

3	Log-Eqf	www.itis.net/eqf/
5	Microsoft Access database	
1	M*Log.	Milestone Technologies, N1FN, company.
1	N3FJP	http://members.aol.com/SNKdavis/page1.html
2	Microsoft EXCEL,	
	Dan N8IE Access 97 file for logging QSO's	http://members.aol.com/shephed/hamlog.zip
2	WJ20	http://www.dfarns.com/wj20
2	DX4WIN	
1	LOGic 5	Personal Database Applications http://www.hosenose.com
1	Lux-log	www.qsl.net/lx1no/llog_win.html
1	HyerLog	
1	WB2QAP BASIC Logger	Bruce Milne, WB2QAP bmilne@afcon.net

Not everyone was actually using the program. Some listed several that they had used.

Not all references were favorable, but like so many other things, one person's junk is another's treasure.

Now to have a look at them....

Larry KA5T
Georgetown, TX

Date: Thu, 13 Jan 2000 22:09:30 -0500
From: "AI2Q Alex" <ai2q@ispchannel.com>
To: "QRP-L (E-mail)" <qrp-l@Lehigh.EDU>
Subject: [60282] More HBR-20 notes
Message-ID: <000001bf5e3c\$c71d5420\$5c32a7d0@ispchannel.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 8bit

Hello folks:

I gotta tell ya. Building small-signal circuits using the Manhattan style of pad mounting is a gas! It's so-o-o easy to put together circuits, and I don't feel any pain if I have to take 'em apart or revamp them if they don't work properly first time out of the gate.

If anyone's interested, I have additional schematics of the stages I've worked out to make my HBR-20 receiver play. As mentioned in a previous note, the overall receiver circuit as described in the Winter 1998 issue of Communications Quarterly was a good starting point for this project, but I found that a fair amount of additional experimentation was required.

For example, I had to add a post-1st-mixer amplifier ahead of my 4-pole Ten-Tec crystal filter. This stage uses a 2N2222 in a common-base configuration. It has a low input-impedance and makes a good match to the existing coupling transformer as shown in the original circuit. At the output of the filter, I used another 2N2222 in a post-filter IF amp stage using a 4:1 toroid in a common-emitter circuit.

You may remember that I finally got to the point where a workable--but simple--AGC circuit was required. Well, I tried four published circuits, and none of them seemed to work, or work properly. Finally, I decided to simply feed rectified audio (using a pair of 1N914s) into the gate of a JFET, figuring that the FET's high input-Z wouldn't load down the DC output of my little audio rectifier.

The signal developed at the drain of the JFET (I wound up with a 10 kohm drain load and that gave a pretty good signal swing) was fed directly into an unknown type-number small-signal PNP transistor gleaned from the depths of my junkbox. Voila! The collector developed a nice 6 V signal that jumped up to about 8 V or so if I fed too much signal from my URM/25 signal squirter into the receiver's front-end.

Adding a few resistors and a 1 uF electrolytic let me set up both a fast and slow time-constant AGC. I also shorted the output of the lil AF rectifier with a 68 ohm resistor to turn the AGC action off. This works pretty well. It's not a very advanced AGC system, but it throttles the audio output so I

don't blast my eardrums if I suddenly encounter a very strong signal on the band. A single three-position toggle switch gives me Fast, Slow, or Off AGC.

Now for an S-meter. Being optimistic, I had already mounted an old new-in-box Lafayette (remember that company?) plastic S-meter. Now, how to get it working?

My first inclination was to drive it from a 741 op-amp, reasoning that the 741's low output-Z would be a good match to the low-resistance meter movement. Once again, I tried four different configurations and finally found one from the ARRL handbook that works really nicely. The original circuit uses a 741, but I used a TL081 op-amp with a FET input (again, to keep the loading down). It's pin compatible, so I tried both in any case.

The circuit has both a Set pot and a Gain pot in it, so I can now zero the meter and adjust it to full-scale, and the meter tracks the RF gain control as it's rotated. Nifty--just like a store-boughten rig, eh?

The voltage developed across the RF gain control is fed through a 1N914 diode and is sensed by the Motorola MC1350P chip used as the main IF amplifier. The chip is also fed AGC voltage through another steering diode.

It works perfectly! It's really gratifying to see the meter swinging on strong signals, and watch the effect of the different AGC time constants.

Well, now that it all plays, I guess the next foray will be to use the same IF filter in a mating SSB exciter section, and then if that works, build a small final PA stage to boot and get on 20 fone with an all homebrew transceiver.

Thanks to all on this thread that encourage such projects, and especially to AA1MI, Paul for getting me started with Manhattan construction. It's a great way to unwind on cold Winter evenings.

Vy 73, AI2Q, Alex in Kennebunk, Maine QRP-L 687

Date: Thu, 13 Jan 2000 22:25:04 -0500
From: "Wilford D. Lindsey" <70511.3041@compuserve.com>
To: QRP-L Discussion Group <QRP-L@Lehigh.edu>
Cc: "W.D.(Doc)Lindsey/K0EVZ" <70511.3041@compuserve.com>
Subject: [60283] QSLs Coming....but Check 'Em :-)
Message-ID: <200001132227_MC2-94AD-2DAC@compuserve.com>
MIME-Version: 1.0
Content-Transfer-Encoding: 7bit
Content-Type: text/plain;

charset=us-ascii
Content-Disposition: inline

Gang:

I have been mailing out dozens of QSL cards all over the world. Have gotten somewhat behind because of health issues. But unfortunately some have pointed that I inadvertently *left off* the "/QRP".....so it will not be counted as QRP. Nuts. Got it backwards here. Anyway, a couple of guys have already said they would send theirs back for adjustment.

Gang, sorry this did not get done right the first time. I somehow thought putting the "/QRP" on your card would *invalidate* it. Oh well. If you need ND for WAS, will be glad to help by fixing these mistakes.

72,

--Doc Lindsey/K0EVZ
DSBF
PO BOX 6028
Bismarck, ND 58506
K0EVZ@arrl.net

Date: Thu, 13 Jan 2000 20:31:49 -0700
From: "MGTGAZ" <gustoff@access1.net>
To: <qrp-l@Lehigh.EDU>
Subject: [60284] Re: Log / QSL programs...
Message-ID: <000301bf5e3f\$e5000e80\$f15b96d1@office>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

May wish to check out DXBase2000.

www.dxbase.com

A solid product with solid performance. Upgraded from Logic5.0 which never could quite get free of those pests known as "bugs".

Only caveat is DXBase2000 does not score contests out-of-the-box.

72,
Mark
W07T

Date: Thu, 13 Jan 2000 22:44:50 -0500
From: radioham@erols.com
To: 70511.3041@compuserve.com, "Low Power Amateur Radio Discussion" <qrp-
l@lehigh.edu>
Subject: [60285] QSL's -/QRP
Message-ID: <3.0.6.32.20000113224450.007d2480@pop.erols.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Not exactly sure which organizations require that the card you receive as the QRP station says /QRP, but it is not QRP ARCI. All our awards depend on your integrity to operate at the power you say you do. It is the height of hypocrisy to demand that the station you worked somehow indicate that you were indeed QRP at the time you worked them. How do they know what you were?? They are depending on your original representation to start with. If this is a requirement of any organization, it is outmoded, outdated and plain bureaucratic. QRP ARCI accepts e-mail confirmation of contacts in addition to normal copies of QSL cards, though we prefer a GCR.

This is the year 2000. It's about time silly rules which had little or no purpose in the first place get revised.

72/73,

Steve, N4EUK
QRP ARCI Awards Manager
<http://www.qrparci.org>

Date: Thu, 13 Jan 2000 22:40:58 -0500
From: jmarran@juno.com
To: QRP-L@lehigh.edu
Subject: [60286] 160 meter QRPppp attempt
Message-ID: <20000113.224101.-459271.4.JMarran@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

My thanks to Dieter, WB8QYY for listening for my 100mW pipsqueak on 1.8432 MHz. 160 is very noisy tonight...it would have been a miracle to hear. My best regards and respect to those who have done this with low power!!!!

Maybe soon.....

73,
John Marranca, Jr ARS KB2HSH
Lucent Technologies Business Partner
Buffalo, New York

Date: Thu, 13 Jan 2000 22:50:52 -0500
From: S LYON <sslyon@worldnet.att.net>
To: qrp chat <qrp-l@Lehigh.EDU>
Subject: [60287] POQET PC PLUS site
Message-ID: <387E9D1C.687766B6@worldnet.att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

In case it hasn't been posted yet.. this chap has done some homework:

<http://www.primenet.com/~awong/service/poqet.html#PCPlus>

--
73
'Seab' Lyon - AA1MY
Beacon NY USA FN-31
QRP-L 574 ARCI 9253

Date: Thu, 13 Jan 2000 19:48:20 -0800 (PST)
From: "W.six.ABC Oakland" <w6abc@yahoo.com>
To: qrp-l@Lehigh.EDU
Subject: [60288] FS:MFJ 40 meter SSB/CW QRP and MFJ QRP Tuner
Message-ID: <20000114034820.19431.qmail@web2104.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

This pair is being sold as a set. The MFJ9440X SSB/CW
transceiver. With CW board installed. Works
perfectly and includes mic., manual and box. The
Portable Antenna Tuner is the MFJ971 and is also in
excellent condition.
\$250 for both.

73,
Jack

Do You Yahoo!?
Talk to your friends online with Yahoo! Messenger.

<http://im.yahoo.com>

Date: Thu, 13 Jan 2000 20:48:48 -0700
From: gsurrency@juno.com
To: ai2q@ispchannel.com
Cc: qrp-l@Lehigh.EDU
Subject: [60289] Re: More HBR-20 notes
Message-ID: <20000113.204848.-243685.0.gsurrency@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

Alex,

Thanks for relating your homebrew expeiences. I really enjoyed reading it, and could almost see you working over the bench soldering those Manhattan pads!

I particularly liked the part about the old Lafayette S-meter. I spent a lot of money with those folks when I was young, and I have very fond memories of that period when I'd get a new catalog from them. Pity that they and Allied Radio are both history now.

Anyway, please take the time when you're done with that project and write up an article on it for QRPp or QQ. I for one, would love to read it.

72,

Gary Surrency AB7MY QRP-L #571 Chandler, AZ (near Phoenix)
K2 sn. 364

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<http://dl.www.juno.com/get/tagj>.

Date: Thu, 13 Jan 2000 22:52:26 -0500
From: Ed Kessler <edkess@epix.net>
To: qrp-l@Lehigh.EDU
Subject: [60290] Absorptive SWR Circuit Question
Message-ID: <387E9D7A.92341710@epix.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

I've been wanting to build a simple SWR indicator into my portable tuner, and have found several circuits that I might use.

My question is . . . for use with 3 Watts max, do I need to use greater than 1/4 watt resistors, i.e., several in parallel, or will 1/4 watt resistors handle things?

I guess I should know this, but I'd rather not fry anything.

Ed, AA3SJ

Date: Thu, 13 Jan 2000 23:27:57 -0500
From: Fred Lesnick <flesnick@tbaytel.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>, QRP Canada <qrp-canada@lists.gpfn.sk.ca>
Subject: [60291] 160 MTRS
Message-ID: <387EA5CD.ABD7360E@tbaytel.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hello gang:

Been listening each evening(0330-0500z) on 1.811.And been hearing a number of folks chatting and calling cq...I have wb8qyy and walar marked on my scratch pad.Tonite(01/14/00 z) at 0350z,heard w0rsp calling cq qrp,I tried to answer him with my 5 watts,but guess conditions and noise would not allow it....So goes to show you that qrp is alive on 160 as well.Oh well,will keep listeng and answering those cqs.

72

Fred

VE3FAL

Thunder Bay,Ontario

You can do so much with so little...

Date: Thu, 13 Jan 2000 23:35:44 -0500
From: Pete Burbank <plburbank@kih.net>
To: <qrp-l@Lehigh.EDU>
Subject: [60292] Fox: propagation
Message-ID: <3.0.32.20000113233536.00775b2c@kih.net>

Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Pretty strange Propagation here in KY during the hunt.
The fox signal (N7MFB) WA was slowly improving until
0305 UTC when all hounds and the fox evaporated. While
tuning up a bit I copied KL7LH at 7044. The fox finally
emerged from the noise about 0340 UTC. Then I heard N1TP
and K5ZTY calling him. Those 2 guys are some pretty ferocious
hounds so something must have happened.
73 Pete NV4V 1721

Date: Thu, 13 Jan 2000 20:34:38 -0800
From: Paul Erickson <paule@sfu.ca>
To: Multiple recipients of list QRP-CANADA <qrp-canada@lists.gpfn.sk.ca>, Low
Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [60293] OT: Camp X ham?
Message-ID: <387EA75E.73EF1565@sfu.ca>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Did anyone see the History Channel special on camp X. One of the
people they talked to was obviously a ham from the equipment in
the background, and his name was Clif Stewart. Does anyone know
his call? I searched the RAC database, and the only one that comes
close is VE1GR Clifton Stewart.

--
cheers, Paul - VA7NT (ex VE7CQK) - email: paule@sfu.ca

Date: Thu, 13 Jan 2000 21:45:32 -0700
From: "Rod, N0RC" <n0rc@yahoo.com>
To: <elecraft@qth.net>, "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Cc: <w6toy@erols.com>
Subject: [60294] Speaking of QSL Cards....
Message-ID: <009c01bf5e4a\$3344c900\$b1101004@compaq>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

To all the folks I worked during my Kokopelli 1 Wyoming Radio
Adventure:

I finally finished crafting the custom QSL card! They start going out this weekend.

Crafting the card got to be as much of an adventure as the operating event. ;-) At first I used QSL Maker, that nifty freebie from, WB8RCR, and MS Paint. After two revs I just didn't like the result. So, I bought Paint Shop Pro, figured it out, and rev 3 came out a keeper.

There was another program involved with the creation of this card that I had to purchase and learn a bit about. You will understand when you receive your card. I won't say anything about it here, so as not to spoil the surprise. I hope you enjoy it as much as I enjoyed creating it. It truly was fun [that's what it is all about right?] and added another interesting/satisfying aspect to this whole Kokopelli radio adventure thing.

BTW: The idea for Kokopelli 2 was born just a few days ago. Watch for an announcement about that in the next few days.

72/3 Rod, N0RC -- Fort Collins, CO

Do You Yahoo!?

Talk to your friends online with Yahoo! Messenger.

<http://im.yahoo.com>

Date: Fri, 14 Jan 2000 00:03:45 -0500
From: "George Heron N2APB" <n2apb@erols.com>
To: "NJQRP" <NJQRP@njqrp.org>, "QRP-L" <qrp-l@lehigh.edu>
Subject: [60295] Atlanticon Kit is ready ...it's a Snap!
Message-ID: <00e901bf5e4c\$c0a30da0\$9de73ad0@ire.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

The NJQRP has created a very fun and interesting dimension to attending this year's Atlanticon QRP Forum ... it's the "Atlanticon Kit".

As you probably already know, a Construction Contest is being conducted on Saturday night of the Atlanticon QRP Forum weekend (March 24-26), wherein

all those who bring their favorite or best-built homebrew project will be judged. Typically these construction contests have several entry categories: commercial kits, scratch-built, paddles, antennas, original designs, etc.

Well, at this year's Atlanticon we're having **two** categories for the building contest: "Open" (any project, any type of construction), and the "Snap".

The Snap is a simple, Manhattan-style constructed transmitter kit being mailed to everyone who pre-registers for the Atlanticon weekend. It's intended and hoped that the 200-or-so attendees will build up this common design "as-is" as an entry for the Saturday night Construction Contest. All those who choose to build the Snap can enter it for judging based on 3 factors:

- 1) Beauty of Construction -- The Snap transmitter must be built Manhattan-style, but you can use any arrangement of components on the pcb material supplied.
- 2) Power Output -- You must have all the components indicated on the schematic, no more and no less, but you can hand-select equivalent components to squeeze the most performance out of the design as possible. For example, the gain of the 2N2222A transistor supplied in the kit may be slightly low compared to others you might have in your junk box. So substituting another transistor might help increase your power output level. Similarly, the values of the resistors, activity of the crystal, the freshness of your standard 9V battery, and other factors, might affect your Snap's performance.
- 3) Stability -- How far does **your** transmitter drift in 30 seconds? This is often a good measure of construction and component selection ... the homebrewer's controllable parameters.

We'll have several "measurement and evaluation stations" set up in the room that evening. After being judged by Chuck Adams, K7QO, and Jim Kortge, K8IQY (both are kings of the Manhattan-style techniques) your entry will be connected to a mini-test fixture specially designed to measure its milliwatt-level power level and its frequency. Judging apparatus includes (1) Chuck's & Jim's eyeballs, (2) a new kit being introduced by the NJQRP Club that weekend, and (3) a Freq-Mite derivative supplied by Small Wonder Labs and NN1G. Contestants will be given a rating sheet where they plug in the grades received in each category and solving an equation yields the final score.

Oh yeah, the winner of the Construction Contest will receive a brand-new commercial transceiver kit to be announced shortly ... you'll love it!

So that's it ... all those registering for Atlanticon will get the Snap kit in the mail and you'll have the remaining time leading up to the March 24-26 weekend to build it, tweak it, groom it, paint it, anodize it, pot it, do-whatever-you-can-do-to-it-to-make-it-a-winner, and bring it along. QRPers registering at the door will also get this kit, but frankly there's not too much time to build it before the event that Saturday night, so sending in your registration beforehand would give you the best edge.

About 50 QRPers have already registered for Atlanticon and they'll be receiving their Atlanticon Kits in the mail starting next week. Others registering will get their kits within days of registering.

This little transmitter isn't going to knock the radiator off any antennas, but it will certainly provide everyone with a neat opportunity to build a Manhattan-style project in a controlled fashion and on a leveled playing field. It's great for the 1st-time builder and experienced homebrewer alike. The Winter issue of QRP Homebrewer will have tons of advice and examples of Manhattan-style construction, so you can get some ideas, tips and techniques from the experts among us.

Full details about the Atlanticon QRP Forum can be found on the NJQRP website at <http://www.njqrp.org/atlanticon/> , and can also be received automatically by email by sending a message to EMBOT@NJQRP.ORG with SEND ATLANTICON in the body of the email.

72, George N2APB
n2apb@amsat.org
for the NJQRP Club at <http://www.njqrp.org>

Date: Fri, 14 Jan 2000 00:20:20 -0600 (CST)
From: aweiss@usd.edu (Ade Weiss W0RSP)
To: qrp-l@lehigh.edu
Subject: [60296] 160 Meter antennas, a few thoughts...
Message-ID: <200001140620.AAA28924@sunburst.usd.edu>

Hi all:

Dennis K1YPP's posting about the JADE Products 160m
Marconi rang a bell -- I have one!

It is constructed from ladder-line so is a bit more weight
than a piece of wire, but the stub-short (details in manual)
help raise the base impedance.

JADE solved one problem -- when doing a Marconi (or Inverted-L) part of the wire goes from the ground up to a support, and then the rest runs horizontally to the far support. JADE has the curved tube which the radiator goes thru. Saves the trouble of up-n-down to adjust the length of the vertical section. Just toos the rope over the support, pull a length of the ladderline thru the curved support, and hoist it. When the curved support reaches the top, you have your vertical height.

Worth checking out to save some time.

As always, RADIALS are the key.

72, Ade

Date: Fri, 14 Jan 2000 01:28:39 -0500
From: jmarran@juno.com
To: QRP-L@lehigh.edu
Subject: [60297] NOGAnaut.....
Message-ID: <20000114.012843.-343471.0.JMarran@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

Was on the North Georgia QRP club website. They have a nice easy schematic that was originally Dave Ingram's Micronaut rig. This rig is so easy that it quite possibly could build itself with enough coaxing...HIHI. I built a Micronaut a few years back...and it's a flexible base to work with. Site:
<http://www.qsl.net/nogaqrp/projects/NOGAnaut/circuitdescription.html>

73's
John Marranca, Jr ARS KB2HSH
Lucent Technologies Business Partner
Buffalo, New York

Date: Fri, 14 Jan 2000 00:32:47 -0600 (CST)
From: aweiss@usd.edu (Ade Weiss WORSP)
To: qrp-l@lehigh.edu
Subject: [60298] RF power measurement discrepancies?
Message-ID: <200001140632.AAA01445@sunburst.usd.edu>

Hi gang:

In addition to points already made, bear in mind that the scope probe exhibits a capacitance which will load the test circuit.

The probe with my HP 1740A has a selector switch for x1 and x10. It will detuen most circuits in the x1 position, but the x10 position eliminates that effect. Of course, you have to decrease the VOLTS/DIV switch by a similar factor, i.e., to read a 5-volt signal, you have to switch down to 0.5V/DIV. But this eliminates the loading across the h.f. range.

72, Ade

Date: Fri, 14 Jan 2000 06:56:01 GMT
From: "Bill Todd" <zapzap73@hotmail.com>
To: qrp-l@lehigh.edu
Subject: [60299] Prelim FOX Report (N7MFB)
Message-ID: <20000114065601.95805.qmail@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

Greeting Hounds -

Thanks for the great fun tonight. I decided to forget about getting two or three calls and then calling them one after another. I was thinking that the Hounds would be wondering if maybe I had gone to sleep after each group of calls if I had tried that.

Anyway, in totalling up the numbers, I came out with 19 S/P/C's, covering states from Washington all the way to Florida. For two hours of operating, I had 42 QSO's - 43, if I were to count Chuck, NJ7M who said "hello" from Idaho at the very end.

The first hour was the most productive. I counted 24 QSO's in the first 30 minutes. And yes, Ed (WE6W) you were my first QSO (ha ha).

The second hour almost didn't happen!

How is that you say? Well, at 0300 UTC, I called "CQ FOX" 4 or 5 times, and absolutely no one came back. I thought at the time "Ohmygosh...maybe the FOX rules say that the contest must be OVER at 0300 UTC!, and people were just not answering me, because they knew the rules better than I did".

Quickly, I turned on the computer, got on the Internet (had to ask the XYL to please get off first....took 5 minutes for her to do so...) and then I

went to Paul's FOX HUNT RULES page.

It said in nice HTML type "Contest can run as late as 0600 UTC", so I turned the computer off, and went back to calling "CQ FOX" after about a 20 minute pause.

The second hour was a bit of a struggle, nabbing me only 7 QSO's, but I worked a fair share of East Coast stations in the process.

- - - -

Here is a quick list of the stations worked.
My official Log will be posted in a day or two -

WE6W
AA7CE
KU7Y
N7RR
W7ILW
VA7NT
NQ7X
VE6EWM
N6XU
K0EVZ
K7RE
N6WG
KI7MN
NK6A
N1MG
KA4BM
N7GS
N5TW
N7CQR
K0YWD
N0TU
NA6E
N1LN
W4NJK
K7TQ
AB5UA
VE5RC
K5GT
K6TM
W0CH
AC6UV
N0EA
KI0II
N7KT

N0AR
N0DT
KT5X
N5LU
N4ROA
NV4VV
W8SFF
AF5Z
& NJ7M (Chuck)

Thanks again to all of you for contacting me during tonight's FOX hunt.

CUL, Bill-N7MFB

Get Your Private, Free Email at <http://www.hotmail.com>

Date: Fri, 14 Jan 2000 00:59:23 -0600 (CST)
From: aweiss@usd.edu (Ade Weiss W0RSP)
To: qrp-l@lehigh.edu
Subject: [60300] 160m QSO Party - sort of!!
Message-ID: <200001140659.AAA06387@sunburst.usd.edu>

HI all:

160 was great tonight! Activity certainly is on the upswing.
My log shows W5JAY (250mw, AR), WB8QYY, WB8TPM (MI, 20-minute QSO), KD0CA (Jerry, IA), N0TU, and AF4LQ (KY).

I also heard a couple of off-frequency QRP QSO's going on during my QSO's.

Wow! This was great fun .

So, what kind of massive antenna arrays were being used?

A 160m Inv-Vee up 30-ft at the center, several Inv-L's, one w. 50-ft vertical with 2 radials, the other around 30ft vertical with a bunch of radials, WB8QYY's irregularly shaped 470-ft loop strung thru the trees at 30-ft, an Inv-V up 40ft.... my 30m fullwave centerfed used as a toploaded vert at 48-ft ..

Notice any fantastic antennas here? 30-ft, 40-ft, 50-ft heights, TWO radials! etc.etc.

So, the message is clear -- you don't need a 160-ft tower or a 1900-ft longwire. Feed your 40m dipole as a top-loaded vertical -- it's already up there and you just short the feedline at the TX end, lay some radials, tune it up, and go for it!

This is getting to be better than the FOX!

For me, hearing all these QRP sigs hacking away on 160m is one of the best 160m experiences I've had in a quarter century.

Cu you all on 160.

I'm going to stick to my 30-min hr/half-hour calling strategy.

I notice that I sent a "?????" to a 12mw call from VA last night --- WOW! I knew he was there, but down in the noise.

72 all, Ade

Date: Fri, 14 Jan 2000 07:30:47 -0800
From: Dana E Hager <dehager@ix.netcom.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [60301] looking for clear label source
Message-ID: <387F4127.AA7F5EED@ix.netcom.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

anyone have any luck in finding Avery whole sheet(8.5x11) clear ink jet labels. My ZM-2 looks really nice and I have a few cabinets that I would like to do this on. Beats trying to use dry transfer lettering.

Thanks,
D E Hager

Date: Fri, 14 Jan 2000 07:47:10 -0500
From: Russ Hines <radioruss@fuse.net>
To: dehager@ix.netcom.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [60302] Re: looking for clear label source
Message-ID: <387F1ACE.B6BFE520@fuse.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

Actually, I've had terrific results from the Brother P-Touch type of label makers. The labels stick to just about anything from which you want to make a panel, and the printing is protected by plastic. I use White-On-Clear for most of my panel label work.

And it works for labeling circuit cards as well... you should see the inside of my SB-104A. ;-)

73,
Russ
WB8ZCC

Dana E Hager wrote:

>
> anyone have any luck in finding Avery whole sheet(8.5x11) clear ink jet
> labels. My ZM-2 looks really nice and I have a few cabinets that I would
> like to do this on. Beats trying to use dry transfer lettering.
>
> Thanks,
> D E Hager

Date: Fri, 14 Jan 2000 08:06:33 -0500
From: "Dieter Gentzow - WB8QYY" <wb8qyy@one.net>
To: <kj5tf@yahoo.com>
Cc: <qrp-1@Lehigh.EDU>
Subject: [60303] OPERATING: 160 new record again
Message-ID: <003f01bf5e90\$de963230\$0102030a@amd300>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="Windows-1252"
Content-Transfer-Encoding: 7bit

Hi Jim,

Here is another one for the record books...

Last night, I build up a 10dB attenuator so I could participate in the QRPppp limbo. The 160 meter band was not as noisy as it was last night. Found Dan, N4ROA this morning about 11:40Z on 1811. He was at 1W and I was at 5W. This time I did the QRPppp limbo. My K2 goes down to about 75 mWatts on 160 so the attenuator was a must.

Here is the result of the limbo...

MyPower - RcvdRST

1W - 549

300mW - 539

100mW - 519

25mW - 419

8mW - 319 ...as they say, happy dance :)

Now it was Dan's turn; he started out as low as he could go.

I listened and listened and listened...

Heard some signals and numbers but nothing solid until

I heard 12mW several times. This confirms the 12mW from yesterday.

I did hear his 8mW signal but it was too iffy to be sure.

Maybe we'll try for 5mW this weekend. I always wonder what would happen if we had REAL 160 meter antennae :)

BTW, my wattmeter is a WM2 and I confirmed the readings on my scope.

All transmitter loads were 50 ohms via an L-network antenna tuner.

Again, my antenna is a 470 foot horizontal loop in a pentagon shape up 20 to 40 feet; average 30 feet, around my house sloping down to the SE.

73 - Dieter (DIZ) Gentzow - WB8QYY "oo's"

Loveland, Ohio - NE suburb of Cincinnati

FPqrp#-1 DL-QRP-AG#1454 QRP-L#1998 10-X#9389 CATT#26 K2#493

<http://w3.one.net/~gentzow/wb8qyy.htm>

Date: Fri, 14 Jan 2000 07:11:17 -0600

From: "Nick Kennedy" <nkennedy@tcainternet.com>

To: <aweiss@usd.edu>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: [60304] Re: 160m QSO Party - sort of!!

Message-ID: <005401bf5e90\$d877e1a0\$9e2ab4d0@tcac.net>

MIME-Version: 1.0

Content-Type: text/plain;

charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

----- Original Message -----

From: "Ade Weiss W0RSP" <aweiss@usd.edu>

> Wow! This was great fun .

>

> So, what kind of massive antenna arrays were being used?

>

> A 160m Inv-Vee up 30-ft at the center, several Inv-L's,

one w.

> 50-ft vertical with 2 radials, the other around 30ft
vertical with a bunch of radials, WB8QYY's irregularly
shaped 470-ft loop strung thru the trees at 30-ft, an Inv-V
up 40ft.... my 30m fullwave centerfed used as a toploaded
vert at 48-ft ..
>

Yeah, this 160 meter QRP stuff is pretty neat. I didn't
hear anyone last night; my line noise kicked up.

On antennas, I wonder what folks observe about inverted L's
versus inverted V's? It seemed to me the other night that
the two inverted Vee dipoles I worked might be doing better
than my 175 foot Marconi/inverted L. Maybe the inv-V is
better as a cloud warmer (close in stations) and the L is
better for further out?

An inverted V would be easier to use cause it would provide
a 50 ohm match. I'm troubled big time by broadcast station
overload. I need to build a filter, but filters need to see
a 50 ohm input and output, so with the inverted-L, I'd need
to add a matching network ahead of the filter. More
complications!

Another thing about 160. In the past, I've noticed there's
never any activity on CW except during contests, and then
it's like 20 meters during SS. So I think just getting some
folks to get down there and work the band is a good thing.

72,

Nick, WA5BDU
in Arkansas

Date: Fri, 14 Jan 2000 14:02:16
From: "KA5T Larry Wise" <lewise@inetport.com>
To: "qrp" <qrp-l@lehigh.edu>
Subject: [60305] Re: Log / QSL programs... Corrections/Additions
Message-ID: <200001141401.IAA02457@admin.inetport.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

Gang:

Seems I missed two from the original list. Here is the list with Paradox and DXBASE added.

First column - Number of references

Second column - Name or ID of program

Third column - Location or contact point if given

3	Log-Eqf	www.itis.net/eqf/
5	Microsoft Access database	
1	M*Log.	Milestone Technologies, N1FN, company.
1	N3FJP	http://members.aol.com/SNKdavis/page1.html
2	Microsoft EXCEL,	
	Dan N8IE Access 97 file for logging QSO's	http://members.aol.com/shepherd/hamlog.zip
2	WJ20	http://www.dfarns.com/wj20
2	DX4WIN	
1	LOGic 5	Personal Database Applications http://www.hosenose.com
1	Lux-log	www.qsl.net/lx1no/llog_win.html
1	HyerLog	
1	WB2QAP BASIC Logger	Bruce Milne, WB2QAP bmilne@afcon.net
1	Paradox	
2	DXBASE	www.dxbase.com

Date: Fri, 14 Jan 2000 08:40:41 -0600
From: "Faith III, Don C" <FaithD@mail01.dnr.state.wi.us>
To: "'qrp-1@lehigh.edu'" <qrp-1@lehigh.edu>
Cc: "'w1rfi@arrl.org'" <w1rfi@arrl.org>
Subject: [60306] Another source of in-home RFI
Message-ID: <54F85D7F6DE2D01184EF0000F804953502729F89@MAIL04>
MIME-Version: 1.0
Content-Type: text/plain

A gentleman on the list recently mentioned Halogen lamps as a source of interference in his home. Wanted to mention to the list that I've discovered another source of interference that took me a while to track down: An Ethernet hub.

For a month or so I've had some significant hash / interference on 75m and I finally tracked it down to my Ethernet hub. (Strong, >S9+ hash with the hub on, minimal noise with hub disconnected from its power supply as viewed and heard using IC756). Though I've also noted some from the PC's ethernet card, the hub is the largest generator of interference. The hub was

situated about 20 ft. from the rig (fed via 50 ohm coax to outside antennas). I called up the company and they indicated that it had been observed occasionally and that they will replace the hub. I've chosen not to name the manufacturer to the list since they're handling the problem and it may occur from other manufacturers' units as well.

This may become a more common occurrence in our homes since these are often used as a means of sharing a fast internet connection within the home. In my case, we have gone to a DSL internet connection (256 kbs vs. the typical 46 kbs of a V.90 dialup modem). We could have elected a max. 756 kbs connection but didn't figure it was worth the extra \$10 a month. No interference was noted from my DSL modem but check your own DSL or cable modem as well if you're having RFI in your shack.

73 (es 72) de N9WR, Don C. Faith III; Madison, WI

Date: Fri, 14 Jan 2000 09:44:30 -0500
From: Mike Maiorana <mikemo@attglobal.net>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [60307] W4RNL web site
Message-ID: <387F364E.A18EB67B@attglobal.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Does anyone have the new url for L.B.'s web site? The old one
<http://funnelweb.utcc.utk.edu/~cebik/radio.html>
doesn't work for me anymore.
Thanks
Mike Maiorana, KU4QO

Date: Fri, 14 Jan 2000 08:39:15 -0600
From: "Nick Kennedy" <nkennedy@tcainternet.com>
To: <hattonte@gdls.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [60308] Re: QRP Wattmeter
Message-ID: <005201bf5e9d\$2235f0a0\$9e2ab4d0@tcac.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

----- Original Message -----

From: <hattonte@gdls.com>

> Re QRP Wattmeters:-
>
> WOW- I just visited the Analog Devices website
<<http://www.analog.com/>>
> and got the datasheets on the new AD8361

I looked at that and it's pretty impressive. I keep wondering if all these magic IC's are gonna turn all homebrewing into just plugging Leggo blocks together. But I wondered that 25 years ago and we're still buiding stuff out of discrete devices.

The question of what wattmeter to get pops up frequently on the list. If you're looking to homebrew, there's a neat circuit in the February 1990 QST by Roy Lewallen. It's "A simple and accurate QRP Directional Wattmeter." It has scales of 10 watts, 1 watt and 100 mw and is said to be able to read down to 5 mw.

The circuit is fairly simple. It uses a couple of op-amps that aren't too exotic. (I think I got the CA3160 from Dan's.) The author is also fussy about using the specified FT-37-72 cores, which I think are obsolete. But I think you can use amidon or other data to select the currently available equivalent.

I'm gonna build this thing as soon as I get that elusive round tuit (e.g., after I finish my Red Hot 20.) Maybe I'll report on the results after I get it built.

Funny, usta be a QRP wattmeter meant it would go down to 5 watts. Now we want milliwatts.

72,

Nick, WA5BDU

Date: Fri, 14 Jan 2000 06:52:49 -0800 (PST)
From: Jim Hale <kj5tf@yahoo.com>
To: Dieter Gentzow - WB8QYY <wb8qyy@one.net>
Cc: qrp-l@Lehigh.EDU
Subject: [60309] Re: OPERATING: 160 new record AGAIN !

Message-ID: <20000114145249.8802.qmail@web705.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Congratulations to you both on another stunning job there!

Looks like we have just begun the assault on QRPP records! Maybe dont send for the MPW certificate quite yet? :)

You guys will surely break it again and again! This one looks like 25,250MPW ! Yesterday you set it at 16,800MPW. Amazing...

I wanted to be with you this AM but the XYL had to leave extra early and I never turned on the radio or computer.

Last night I finished construction on my K2 SSB board, and installed it. It checked out FB, next is installing SSBparts on the other boards. I listened to some SSB last night for a few min. Cool.

The xyl is going to the city and will visit the "neighbourhood" Radio Shack. Its 70 miles away! Hopefully they will have the 8 pin mic plug in stock. But I'm not betting on that! hi

I'll be there saturday AM, maybe tonight too.

You and Dan have a "path", & "mojo working"

Go for it!!!

de Jim KJ5TF

--- Dieter Gentzow - WB8QYY <wb8qyy@one.net> wrote:
> Hi Jim,
>
> Here is another one for the record books...
>
> Last night, I build up a 10dB attenuator so I could
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> in the QRPPppp limbo. The 160 meter band was not as
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> was last night. Found Dan, N4ROA this morning about
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> He was at 1W and I was at 5W. This time I did the
> QRPppp limbo.
> My K2 goes down to about 75 mWatts on 160 so the
> attenuator was a must.
>
> Here is the result of the limbo...
> MyPower - RcvdRST
> 1W - 549
> 300mW - 539
> 100mW - 519
> 25mW - 419
> 8mW - 319 ...as they say, happy dance :)
>
> Now it was Dan's turn; he started out as low as he
> could go.
> I listened and listened and listened...
> Heard some signals and numbers but nothing solid
> until
> I heard 12mW several times. This confirms the 12mW
> from yesterday.
> I did hear his 8mW signal but it was too iffy to be
> sure.
>
> Maybe we'll try for 5mW this weekend. I always
> wonder what would
> happen if we had REAL 160 meter antennae :)
>
> BTW, my wattmeter is a WM2 and I confirmed the
> readings on my scope.
> All transmitter loads were 50 ohms via an L-network
> antenna tuner.
> Again, my antenna is a 470 foot horizontal loop in a
> pentagon shape
> up 20 to 40 feet; average 30 feet, around my house
> sloping down to the SE.
>
> 73 - Dieter (DIZ) Gentzow - WB8QYY "oo's"
> Loveland, Ohio - NE suburb of Cincinnati
> FPqrp#-1 DL-QRP-AG#1454 QRP-L#1998 10-X#9389 CATT#26
> K2#493
> <http://w3.one.net/~gentzow/wb8qyy.htm>
>
>
>

=====

Ham radio/alt energy - <http://www.madisoncounty.net/~kj5tf/>
Milliwatting Editor ARCI QRP Quarterly

AR QRP#2 - Kingston, Arkansas 35.94N 93.47W
Private email kj5tf@madisoncounty.net

Do You Yahoo!?
Talk to your friends online with Yahoo! Messenger.
<http://im.yahoo.com>

Date: Fri, 14 Jan 2000 10:02:17 -0500
From: olyellr@iglou.com
To: mikemo@attglobal.net, "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [60310] Re: W4RNL web site
Message-ID: <3.0.5.32.20000114100217.009868b0@pop.iglou.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

At 09:44 AM 1/14/00 -0500, Mike Maiorana wrote:
>Does anyone have the new url for L.B.'s web site?
>

This one worked just now:

<http://www.cebik.com/>

GL 73, Mike L.

de AF4LQ FISTS #4139
100% CW....for the pure JOY of it!
<http://members.iglou.com/olyellr/>

Date: Fri, 14 Jan 2000 08:21:24 -0700
From: Bruce Kizerian <kizerian@ced.utah.edu>
To: qrp-l@Lehigh.EDU
Subject: [60311] Pulsing LEDs: Foot in Mouth
Message-ID: <387F3EF3.35374B8B@ced.utah.edu>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Once again, I have spoken without knowing all the facts.
While researching info on pulsing LEDs, I came up with the

following at
http://ftp.agilent.com/pub/semiconductor/led_lamps/an1005.pdf

Quoting from HP's App note:

"It is always better to drive an LED device with a high dc current to obtain the necessary light output to be viewed by a human observer than to pulse drive the LED. Using a high peak current and a low duty factor to pulse drive an LED device produces less time average light output than by using a high dc drive current.

There are only two reasons for pulse driving an LED device:

- 1) To strobe an LED array to form messages of changing characters or symbols to be viewed by human observers.
- 2) To obtain a peak pulse of light to be received by a photodetector in a non-visual emitter/detector application. In this case, the high peak pulse of light produces a high peak photocurrent output from the photodetector."

I do this all the time--think I am pretty smart, and then have to eat my words. My mistake was confusing a PHOTODETCTOR application cited in 2) above with a VISUAL application. My circuit design experience is in medical applications of pulsed LEDs using synchronous detection for demodulation of the pulsed carrier.

Sorry, sorry, sorry--I think I will be eating humble pie for lunch.

Bruce kk7zz

Date: Fri, 14 Jan 2000 10:30:36 -0500

From: "AI2Q Alex" <ai2q@ispchannel.com>
To: "QRP-L (E-mail)" <qrp-l@Lehigh.EDU>
Subject: [60312] Movie: Frequency
Message-ID: <000c01bf5ea4\$4eb51140\$5c32a7d0@ispchannel.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Yup. I saw the coming attraction at the theater for the movie "Frequency," and I believe they said there's a promo Web site for it by the same name. The fact that they chose a Heath rig--with the covers off and vacuum tubes a-glowing--says a lot about the romantic nature of "hot-cathode devices," doesn't it? :-)

Vy 73, AI2Q, Alex in Kennebunk, Maine QRP-L 687 .-.-.

Date: Fri, 14 Jan 2000 07:39:35 PST
From: "Peter Pavlovich" <radioroom@hotmail.com>
To: qrp-l@Lehigh.EDU
Subject: [60313] 160 gang is growing
Message-ID: <20000114153935.87130.qmail@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

Hello All,

Well, it looks like the 160 gang is steadily growing! Just when I thought I was one of the few crazy ones.....within the past two weeks the 160 segment has come alive with a whole bunch of us!! We've got a pretty good thing going here guys!

Last night I had several solid QRP to QRP contacts; two of which were with WB8QYY (Dick) in Loveland, Ohio who always seems to have a nice signal and W8RU (Ron) in Milford, Mi. who is only about 30 miles from me. Ron was burning the clouds with 250 mw and I was QRO with 3 watts.

I usually don't operate as late as 04:00. I've actually found that the best band conditions seem to be between 02:00 and 04:00 anyway. Oh well, if any of you hear me, PLEASE give me a call.

72 to all,

Peter Pavlovich N8EVJ

Bloomfield Hills, Michigan

Hot cup of coffee, nice rig, smooth CW, and good conditions
equals one great day!

Get Your Private, Free Email at <http://www.hotmail.com>

Date: Fri, 14 Jan 2000 07:46:36 -0800
From: Paul Erickson <paule@sfu.ca>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [60314] OT: Poqet.... another logger - TRlog
Message-ID: <387F44DC.6E0B499E@sfu.ca>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

After figuring out how to use PQlink, I loaded an early 8088
version of TRlog and it works just fine. The latest version
I have is 6.10. I'm hoping Tree will compile a later version
some time. I now have my computer for the next flight of the BB's.

By the way, I connected it to my ts940 and the rig controll
works just fine, and I'm sure the rig keying will work...
Have to build a serial keying line... I use the parallel port
with paddle input at home.

--

cheers, Paul - VA7NT (ex VE7CQK) - email: paule@sfu.ca

Date: Fri, 14 Jan 2000 11:27:02 -0500
From: "Mike Yetsko" <myetsko@insydesw.com>
To: <kizerian@ced.utah.edu>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [60315] Re: Pulsing LEDs: Foot in Mouth
Message-ID: <005201bf5eac\$633d2280\$9001a8c0@wn.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Not necessarily. This is a THIRD case where the pulse is an
advantage. While from an LED point of view the first two

reasons are technically correct, this is almost of the venue where the best tool and the best tool for the job are not necessarily the same thing.

Originally the post was for providing a visible light source for ambient lighting. Using anything BUT a pulsed feed system is going to be 'touchy' due to I^2R losses in any resistor used for current limiting. Using a pulse switched arrangement COULD mean that you can design your circuit so that with the pulse off, there is no current and no power lost, and with the pulse on there is no resistor (or a very low value) to have a power loss across. (The very basis of why switchers are so efficient.)

THEN the topic went to the visual aspects of the pulse, not to justify the pulse as the mode of operation to begin with.

I don't think your slice of pie is necessary. Have an apple crisp with whiped cream on it instead. (Warmed up by I^2R !)

Mike

> Once again, I have spoken without knowing all the facts.
> While researching info on pulsing LEDs, I came up with the
> following at
> http://ftp.agilent.com/pub/semiconductor/led_lamps/an1005.pdf
>
> Quoting from HP's App note:
>
> "It is always better to drive an LED
> device with a high dc current to
> obtain the necessary light output
> to be viewed by a human observer
> than to pulse drive the LED. Using
> a high peak current and a low
> duty factor to pulse drive an LED
> device produces less time average
> light output than by using a high
> dc drive current.
> There are only two reasons for
> pulse driving an LED device:
> 1) To strobe an LED array to form
> messages of changing characters
> or symbols to be viewed by
> human observers.
> 2) To obtain a peak pulse of light
> to be received by a photodetector
> in a non-visual emitter/

> detector application. In this
> case, the high peak pulse of
> light produces a high peak photo-current
> output from the
> photodetector."
>
>
> I do this all the time--think I am pretty smart, and then
> have to eat my words. My mistake was confusing a
> PHOTODETECTOR application cited in 2) above with a VISUAL
> application. My circuit design experience is in medical
> applications of pulsed LEDs using synchronous detection for
> demodulation of the pulsed carrier.
>
> Sorry, sorry, sorry--I think I will be eating humble pie for
> lunch.
>
> Bruce kk7zz

Date: Fri, 14 Jan 2000 08:48:58 -0800
From: tbessler@OregonVOS.net (Tom Bessler)
To: dehager@ix.netcom.com, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [60316] Re: looking for clear label source
Message-ID: <v01540b01b4a4ff9b87cd@[192.168.76.5]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

At 7:30 AM 1/14/00, Dana E Hager wrote:
> anyone have any luck in finding Avery whole sheet(8.5x11) clear ink jet
> labels. My ZM-2 looks really nice and I have a few cabinets that I would
> like to do this on. Beats trying to use dry transfer lettering.
>
> Thanks,
> D E Hager

Try "DeskTop Labels". They have a whole variety of Avery clones that I
prefer to the actual original. They work perfectly on my inkjet printers.

DeskTop Labels
7277 Boone Ave North
Minneapolis, MN
55428-1519
Toll-Free 1-800-241-9730

Hope that helps.

Tom, WB7WSF

Date: Fri, 14 Jan 2000 09:52:17 -0700
From: Tayloe Dan-P26412 <Dan.Tayloe@motorola.com>
To: "'qrpl'" <qrpl@Lehigh.EDU>
Subject: [60317] Re: RF power measurement discrepancies?
Message-ID: <87568F78ABDCD211A0AC0008C707718B319582@az10exm03.sat.mot.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

>I have been trying to take some RF power measurements on some QRP
>equipment lately and I am getting conflicting answers. I bow to the wisdom
>of the net here to help resolve what I am seeing.

Yes, I was seeing the output of the diode peak power detectors at a higher voltage than the RF reading I was seeing when viewing the RF waveform directly. The two were off by as much as 2v at 2watts. The two readings should agree.

Thanks to input from the list, I tracked the problem down to a fancy new 500 MHz HP 10x scope probe that I bought at a hamfest a year ago.

That probe is designed to work with a 500 MHz scope that has an input loading of 6 to 9 pf. However, my 60 MHz scope has 15pf of input loading. Proper compensation of the scope probe does indeed make a *big* difference on the measurements taken, even at 7 MHz.

Now I need to figure out how to disassemble the scope probe and determine how much extra compensation C to place across the probes compensation trimmer cap.

Thanks again guys!

- Dan Tayloe, N7VE; Phoenix, Az; Az ScQRPions

Date: Fri, 14 Jan 2000 08:54:38 -0800
From: Allan G Taylor <agtaylor@ix.netcom.com>
To: qrpl@lehigh.edu
Subject: [60318] XCVR: RedHot 40 progress
Message-ID: <387F54CE.72EB@ix.netcom.com>

MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

In my slow methodical way I am making progress on the Red Hot 40 xcvr. Just this morning I got the AFA section going and adjusted the VFO range which, by the way, was easily set to 7000 on the bottom end and to 7077 on the top. It matches the design specs perfectly.

Few problems have been encountered, none requiring rework. L1, the VFO inductor, took two passes to wind correctly. 54 turns on that small core is a bunch to thread through and not have turns overlapped, etc. The back panel ground lug instructions were unclear. I apparently, according to K6TTM, did it in a perverse way and will likely have to be redo it eventually. The parts are COZY (to say the least) but I have had no problems with slober splash to adjacent solder points. By the way, I am using a magnifier lamp and a 1/16" cone tip on a Weller WLC100 cheapie soldering station. I wouldn't want to try it with even a 1/8" tip!

Making a K2 (and surviving errors made there) has proven to be a great jumpstart and tuneup for simpler kits of the RedHot 40 class. (I started as a very primitive constructor last January!) Building this kit has been a great joy.

One thing would be helpful. Can someone give me the R/S part number for a dpdt slide switch suitable as a drop-in for the AFA mode links? I have it set for now with jumpers in auto but am not sure I want to keep it that way.

The very red PCB and very red case/panel give me a buzz just working on it. Its WAY COOL (as my kids might say).

NOT QRP- I have been having a ball working on the ARRL DXCC 2000 award. The idea is to work 100 countries (DXCC entities!) in the year 2000. So far I have 28 worked. I haven't even turn on the amp yet. The more ambitious among the QRP-L gang may want to try it QRP or QRPP.

73 all

Allan K7GT

Date: Fri, 14 Jan 2000 11:12:02 -0600
From: "Nick Kennedy" <nkennedy@tcainternet.com>
To: <Dan.Tayloe@motorola.com>, "Low Power Amateur Radio Discussion" <qrp-

l@Lehigh.EDU>
Subject: [60319] Re: RF power measurement discrepancies?
Message-ID: <004001bf5eb2\$7aa9c800\$9e2ab4d0@tcac.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

----- Original Message -----

From: "Tayloe Dan-P26412" <Dan.Tayloe@motorola.com>
> The second method is to measure and filter the RF peak
voltage
> using a diode (1N914 type) and a filter cap (0.1 uf
bypass).
>
> What I am seeing is that when the scope sees 12v peak
directly
> from the RF waveform (about 1.44w), the scope also
measures
> just under 14v (13.9v + 0.6v diode drop = 14.5v peak)
which is
> about 2.1 watts. That is quite a difference!
>

That's a good one all right, Dan. I guess the fact that
your diode detector is putting out more voltage than the
actual peak of the sine wave has gotta mean something's
honked up somewhere.

Questions about whether you actually need to subtract the
diode drop and how scope probe capacitance affects things
have popped up. I thought I'd try to duplicate your test to
a certain extent.

First I figured I'd try some measurements at 60 Hz to get
clear of rf effects and questions about scope probe
capacitance. My rf diode detector is a 1N4848 and a 0.001
polyester cap. I added another 0.22 uf poly cap in parallel
for the 60 Hz test to get rid of the ripple. I further
muddled the water by using both my scope (a 465) and my RS
DVM for measurements. My AC source was the 6.3 VAC output
of my bench supply.

60 Hz test:

Input (AC) voltage: 10 volts measured with the scope, 9.67
volts with the DVM

Detector (DC) output voltage: 9.15 volts with the scope and 9.20 volts with the DVM

So the detector's output was 0.85 volts less than peak with the scope and 0.47 volts less than peak with the DVM. Seems reasonable here that adding a diode drop of 0.6 volts or so to the detector's output was the right thing to do.

For the rf test, I used my FT-1000 at 7.03 MHz connected to a dummy load. I adjusted the power output to give about 30 volts p-p so I would be in the same region as Dan's test. Obviously, I couldn't measure the rf voltage input with anything but the scope cause the DVM doesn't do rf.

7 MHz rf test:

Input, measured by scope 30 volts p-p or 15 volts peak

Detector output with DVM was 14.19 volts and with the scope was 14.24 volts. Of course, take the third and fourth digits with a grain of salt when measuring voltage on a scope.

So with the scope, the detector's output was 0.76 volts less than peak and with the DVM, it was 0.81 volts less than peak. So if I'd done as Dan suggested and added about 0.6 volts to the reading, I would have been pretty close.

Like others, I'm concerned about how to factor in scope probe capacitance. Mine says it has 13 pf, which has significantly low reactance as we get up there in rf frequencies. But I'm a newby on scope use and don't really know how to model this thing. Do I have 13 pf in parallel with the load when I attach my x10 scope probe? I'm not sure.

Like Dan, I've had a lot of nagging questions about how good a diode detector can be. And even more questions about how accurate scope readings can be, even with an acclaimed scope like my Tek 465. Read some of my recent posts about some better wattmeters I want to try when I get time, to get around these doubts. But I guess these results looked OK. Thanks, Dan for bringing this up.

Concerning diode behavior, it's also good to read some of

Lewallen's articles on the subject, like the one on his power meter in the Feb. 1990 QST.

72 and let's get that power reading right,

Nick, WA5BDU
in Arkansas

Oh yeah--after I got all this data I thought, "Now, what does all this stuff mean?" Reminds me of a posting a guy at work has in his cubicle. He uses exotic instruments to take measurements on power plant equipment and try to predict failures. His posting says, "It's really easy to measure a whole lot more stuff than you can explain."

Date: Fri, 14 Jan 2000 12:31:39 -0500
From: "Dieter Gentzow - WB8QYY" <wb8qyy@one.net>
To: <qrp-l@Lehigh.EDU>
Subject: [60320] OPERATING: 12 meters
Message-ID: <000d01bf5eb5\$e7c915f0\$0102030a@amd300>
MIME-Version: 1.0
Content-Type: text/plain;
charset="Windows-1252"
Content-Transfer-Encoding: 7bit

Anybody want to play some QRPp games on 12 meters this afternoon?
I will be listening and transmitting on 24,911

73 - Dieter (DIZ) Gentzow - WB8QYY "oo's"
Loveland, Ohio - NE suburb of Cincinnati
FPqrp#-1 DL-QRP-AG#1454 QRP-L#1998 10-X#9389 CATT#26 K2#493
<http://w3.one.net/~gentzow/wb8qyy.htm>

Date: Fri, 14 Jan 2000 12:56:54 EST
From: WA6GER@aol.com
To: qrp-l@lehigh.edu
Subject: [60321] NorCal Toroid & Cap Kits
Message-ID: <6c.e605e2.25b0bd66@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Content-Transfer-Encoding: 7bit

The toroid kits are sold out. Less than a dozen of the cap kits left.

Doug and I say thanks to everyone who made this NorCal venture another success.

A little late, but not unusual for me, Happy Millennium to all. See you at Atlanticon!

(Vern, W6MMA, and I will arrive in Philadelphia the evening before the bash. Please warm up the weather for us. hi hi.)

jim, WA6GER, for NorCal

Date: Fri, 14 Jan 2000 13:00:25 -0500 (EST)
From: "L. B. Cebik" <cebik@utkux.utcc.utk.edu>
To: Mike Maiorana <mikemo@attglobal.net>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [60322] Re: W4RNL web site
Message-ID: <Pine.GS0.4.10.10001141259010.2942-1000000@larry.cas.utk.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Since September, the URL has been
<http://www.cebik.com>
Retirement brought about a move to a new web home.
Happy reading.

-73-

LB, W4RNL

On Fri, 14 Jan 2000, Mike Maiorana wrote:

>Does anyone have the new url for L.B.'s web site? The old one
><http://funnelweb.utcc.utk.edu/~cebik/radio.html>
>doesn't work for me anymore.
>Thanks
>Mike Maiorana, KU4QO
>

Date: Fri, 14 Jan 2000 14:02:58 -0500
From: Nils R Young <nilsbull@juno.com>
To: QRP-L@lehigh.edu
Subject: [60323] Re: Efficient LED light source - USE PULSES
Message-ID: <20000114.141433.-195717.0.nilsbull@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

Gang,

Sam & Glen have proposed an interesting doodad to add to your collection of stuff. What's cool to me is the cross over between the flicker/voltage rate & the straight DC brilliance. At the same time, I wonder if the sense of brilliance between the two tested LEDs might not also have been due to the attention that all eyes (and similar photosensitive tissues in other animals) have for field changes.

If something in your visual field changes, you will notice it. That's why you will notice the birds headed for your nose while you're on the rollercoaster more quickly than you will notice how white your knuckles are holding on to the rail. It's an adaptation that plays for survival. Only Fabio don't duck for a goose.

Flickering lights catch your attention . . . especially those blinking LEDs on the phone/answering machine that tell you "you've got voice mail."

Now the next trip should be to see which color tests for more perceived light: red or yellow. (I'm betting on yellow . . . but that's another cognitive conundrum.)

I think there's some info on this blinking stuff in Bickerton or Mithen . . . or maybe Pinker. I don't have all my reference books digitally encoded yet . . . Not enough blinkin' time, guv.

73

Nils

. . . ah, for the days when we can do word searches through the entire panoply of textual data on human cognition . . . but I can dream . . . which is another cognitive function . . .

Nils R. Bull Young -- El Gringo Errante -- La Estancia de los Guajolotes Sonrientes

<http://home.fiberia.com/wb8ijn> -- W8IJN --

<http://members.xoom.com/nilsbull>

"In my day you had to FIGHT to have oligarchs! Every day was a STRUGGLE!

-- Comrade Sergei Nikolaevich McTovarishov --

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<http://dl.www.juno.com/get/tagj>.

Date: Fri, 14 Jan 2000 14:54:24 +0000

From: "Steven Weber" <kd1jv@moose.ncia.net>

To: qrp-1@lehigh.edu

Subject: [60324] Re: RF power measurement discrepancies?

Message-ID: <200001141934.0AA16258@wolf.ncia.net>

MIME-Version: 1.0

Content-type: text/plain; charset=US-ASCII

Content-transfer-encoding: 7BIT

Also bear in mind it's difficult to get a truly accurate voltage reading from a scope. The scale resolution is fairly coarse and the width of the scope trace can be a factor. In the case of my old Tech 453A, the trace width on the 2V scale is equivalent to about 200 mv. In addition there is some degree of "interpolation" when reading a scope.

If your scope probe isn't properly compensated, that can influence the voltage reading. A little "fuzz" on the trace, which is common, adds to the ambiguity of the reading. Plus, most of us have no idea how well calibrated our scopes are in the first place. So, you can see that a voltage measurement from a scope can be "ball park" at best.

Diode detectors can be problematic also. There will always be some voltage drop across the diode and it can be hard to tell exactly what that drop will be. This is really only a problem at low power levels. At fairly significant power levels, (say over 3 watts) the voltage drop across the diode will be small in comparison to the voltage it's detecting, and will have a minimal impact on your calculations.

The great thing about this new AD8361 chip is it doesn't rely on diode detectors and will work down to very low input voltages. It does a true rms (root Mean Square) conversion of the input signal, using analog voltage squaring and averaging circuits. It does this for sine wave signals or signals with complex modulation. Therefore, from this chip we can determine the true rms power of both CW and

modulated signals, be it voice or digital modulation. (Hence the AD trade name for this chip, TruPwr (tm)) RMS power is the only true power measurement. It is the power one would determine using a resistive load to heat a given volume of water.

72,

Steve, KD1JV in the white Mountains of New Hampshire
"melt solder"

Date: Fri, 14 Jan 2000 14:55:52 EST
From: K1DXradio@aol.com
To: qrp-1@lehigh.edu
Subject: [60325] Re: Log/QSL programs...
Message-ID: <a8.44d4a2.25b0d948@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

I've used Log-EQF for a number of years and I like it very much. However, I prefer K1EA's logger for contests. I like EQF because it is easy to link to packet and rigs with RS-232 capability. Yes, it even works with the '706 cranked down to 5W.

72 - George

Date: Fri, 14 Jan 2000 15:02:48 -0500
From: "Mike Pupeza" <mpupeza@softecs.net>
To: <qrp-1@lehigh.edu>
Subject: [60326] Source for THIN WHITE wire for 'invisible' antenna?
Message-ID: <002b01bf5eca\$56bd1420\$1d5665d1@palmnet.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Thanks to all who encouraged me to go ahead using thin wire for my 'stealthy' antennas.

However, I am now looking for some WHITE THIN coated wire for this purpose.

I would like to buy several rolls of at least 100' of, preferably teflon coated, or any other plastic, or enamelled material, that is very thin, with the wire being about 28 gauge or 26 gauge.

With luck, I am hoping to get something no thicker than 40 lb monofilament

fishing line, 0.5mm, or 0.020", Diameter, which is about the actual diameter of 24 gauge wire.

Other pale colours, such as grey, or blue might be OK also, but no dark ones.

So, anybody got some?

My last resort would be to paint some #28 enamelled wire using some sort of a dipping tray, winder, hair dryer in a rube-goldberg device. A lot of bother!

Mike Pupeza VE3EQP

Date: Fri, 14 Jan 2000 20:08:25 -0000
From: "Frank G3YCC" <frank@g3ycc.karoo.co.uk>
To: <cebik@utkux.utcc.utk.edu>, "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [60327] Re: W4RNL web site
Message-ID: <004a01bf5ecb\$1eaeafc0\$a5a932d4@j3b3y5>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Thanks for the update and have altered my web pages.
Best wishes all.

Frank G3YCC
QRP Web Site <http://www.g3ycc.karoo.net/>

Date: Fri, 14 Jan 2000 14:43:54 -0600 (CST)
From: ac5ez@webtv.net (K1zw)
To: qrp-1@Lehigh.EDU
Subject: [60328] vertical alignment
Message-ID: <10108-387F8A8A-1606@storefull-112.iap.bryant.webtv.net>
Content-Disposition: Inline
Content-Type: Text/Plain; Charset=US-ASCII
Content-Transfer-Encoding: 7Bit
MIME-Version: 1.0 (WebTV)

Has any noticed if a vertical is say, a few degrees off vertical, that

it makes any difference ? How perfect do I have to be with this thing?
:)
BTW this 26 ft vertical is going up on an eight ft pipe.
K1zw

Date: Fri, 14 Jan 2000 18:48:56 -0300
From: Kleibe Jacinto de Araujo <kleibe@anatel.gov.br>
To: "'qrp-l@Lehigh.EDU'" <qrp-l@Lehigh.EDU>
Subject: [60329] mobile antenna for 7mhz!
Message-ID: <6A3A6C7C6177D311932B0000E21F2B78153872@ANATELMAILE>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: quoted-printable

Hi gang.

I need info about a web site where i can found "mobile antenna for =
7mhz"

Tanks to all

73=B4s
Kleibe Jacinto de Araujo
PP2KJA=20

Date: Fri, 14 Jan 2000 14:17:12 -0700
From: "Steve/n0tu" <n0tu@webaccess.net>
To: "QRP-L" <QRP-L@lehigh.edu>
Subject: [60330] 160m w/limited antennas
Message-ID: <008401bf5ed4\$ebcfb900\$5448460f@snp.webaccess.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi Gang,

Wow 160 is sounding like 7040 on Sunday evening, Lots of familar QRP calls &
CQ QRP's. Really amazing how it's sprung to life. Good old internet! BTW -
congrats to all the record breakers and wanabees!!

Listening to the noise while melting soldier ...I barely hear a slow cw signal QSBing in and out on what seemed like a dead band. I copy the DE ????..../QRP but QRN eats his call. After a few minutes of silence here it comes again, this time popping over the top of the noise and still building in strength. Another 2way QRP/160m/QSO is made! Fun stuff. More fun than rare DX (maybe) IMHO

Tom WB5QYT/mobile with his HB 160m bird mangler mobile antenna and I worked each Friday morning. Fun QSO!! He w/ith his 3 watts while mobile and I with my K2 @ 3/4W (700mW) and my crummy inverted L with only 2 radials and 400' of really old brittle cheap twin lead feedline. I'd be curious how much power actually gets to the antenna. But @ 2 MHz maybe the losses aren't worth worrying about? I've been meaning to replace that old junky feedline w/new 450 LL but the time & money thingy keeps me using what works sorta.

I know this isn't any distance record (Tom in Albq,NM - I'm in Co Spgs,CO maybe 250 miles) but it amazed me especially since I thought my antenna was kinda marginal. And Tom w/mobile limited antenna sounded like he was fixed and on a big antenna - 559! Goes to show that u can get on Top Band with limited space short vertical and still join the fun. And FUN it is!

This weekend's project is lots more radials!

com'on down the water's fine - the top band Mw limbo adventure continues..... Steve/n0tu

Date: Fri, 14 Jan 2000 16:29:26 -0500
From: "Richard E. Robinson" <rerobins@email.uncc.edu>
To: Nils R Young <nilsbull@juno.com>
Cc: qrp-l@lehigh.edu
Subject: [60331] Re: [Elecraft] Front & rear travel covers extrapolated
Message-ID: <v03102807b4a543ca6b5d@[152.15.144.71]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Nils writes;

>Fellow travellers,

We know we're in trouble already.

... snip ...

>a battle-dress K2 set up.

I've got just the thing for you Nils, a gin-you-wine Korean war vintage USMC foot lock that once housed an MAW-1 VHF FM xcvr. It'll turn that 5 lb. weenie K2 into a manly man 70 lb boatanchor that'll take a Power Wagon running over it and live to tell about it. Lots of compartments for mortar rounds, hand grenades, smoke bombs, MREs, medication, &c. It even has the USMC globe and anchor in red paint on the top. Makes a nice looking coffee table too.

Make my wife a happy woman, drive to NC and pick it up.

72,

Rick kf4ar K2 # 211

Date: Fri, 14 Jan 2000 15:35:23 -0600
From: Sam_Stimson@Dell.com
To: rerobins@email.uncc.edu, qrp-1@Lehigh.EDU
Subject: [60332] RE: [Elecraft] Front & rear travel covers extrapolated
Message-ID: <5F97C32016F1D1119B1700A0C98422E702D76171@ausxmbrh05.us.dell.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="windows-1252"

Looks like the Elecraft guys can add a new niche market and go for the Survivalists and Militia types. This sounds like it would be right down their alley as a command center rig. (I sure hope this doesn't turn into a taboo subject. I feel like I have already gotten my fair share of demerits this week.)

HI HI

Sam
N5WU

Nils writes;

>Fellow travellers,

We know we're in trouble already.

... snip ...

>a battle-dress K2 set up.

I've got just the thing for you Nils, a gin-you-wine Korean war vintage USMC foot lock that once housed an MAW-1 VHF FM xcvr. It'll turn that 5 lb. weenie K2 into a manly man 70 lb boatanchor that'll take a Power Wagon running over it and live to tell about it. Lots of compartments for mortar rounds, hand grenades, smoke bombs, MREs, medication, &c. It even has the USMC globe and anchor in red paint on the top. Makes a nice looking coffee table too.

Make my wife a happy woman, drive to NC and pick it up.

72,

Rick kf4ar K2 # 211

Date: Fri, 14 Jan 2000 16:33:51 -0500
From: "Scott Howell" <n3byy@yahoo.com>
To: <cw@qth.net>, <qrp-1@lehigh.edu>, <brasspounders@e-groups.com>
Subject: [60333] paddle for pc
Message-ID: <001801bf5ed7\$b2a99120\$7161b683@HQ.NASA.GOV>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I have a Schurr Profi that I would like to trade or sell for either a computer or cash to purchase such.

Here's the reason and requirements. I am looking to build a Linux box. What I am looking for is a Pentium or AMD cpu, mother board with at least 1 isa slot, mini tower, at least 32Mb ram, 2gb drive or better, and 4mb video card.

Of course a 56K modem would be nice<G>. So, knwoing there are some Linux users out there, you'll know kinda what I need.

Of course the trade for the paddle could be augmented with some cash. I just haven't enough funds to buy a box so decided because I have so many paddles, this looked to be a good option. Ay can't send with them all and I generally use a bug or handkey anyway.

SO, any offers? I'll look at what I receive and let you know.

I also have a g4zpy handkey on a lakeland stone base which can be a part of the trade or I'll sell for \$90 includes shipping/insurance.

The Profi I'll sell for \$200 OBO includes shipping and insurance.

I'd rather have the pc so if that doesn't work, I'll accept cash.

Furthermore, I also do have a Yaesu FT2600 2m transceiver which I'll sell for \$175 includes shipping/insurance. RIg has never been mobile, used less

than a half dozen times and works exactly as it did the day I received it. I have all manuals, mounting hardware, and original box. I just don't use 2m enough to justify keeping it.

Has direct key entry, all the latest bells and whistles 2m mobiles have, and you can get software for programming it. Note, not sure if this is out or not yet, but has the interface when its available.

Please drop me an msg if your intrested.

No reasonable offers ignored, nagociating is fun, and ay you'd be doing me a favor.<G>

73 de Scott/n3byy

Laurel MD

Fists #5030 . CQC #637 . Qrp- #1689 . Zombie #333
for immediate response, send mail to n3byy@amsat.org
home page <http://www.qsl.net/n3byy>

Do You Yahoo!?

Talk to your friends online with Yahoo! Messenger.

<http://im.yahoo.com>

Date: Fri, 14 Jan 2000 13:39:00 -0800
From: Ed Loranger <we6w@qsl.net>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [60334] 160 Meter Band Antenna.
Message-ID: <387F9774.8E769C17@qsl.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Gang, 18 months ago I was on a journey to 160 Meters. I did some testing with a "Coplanar Wound" loop. It was an amazing experience and I had 2 QRP/QRP QSO's using my Johnson-Viking 2 coupled lightly with minimum drive, and a receiver that was coupled lightly (but disconnected on TX!) to the 6 turn loop.

This is a very good antenna for experimentation and it did get out.

If you made it from copper tubing instead of #12 AWG

wire it might be better yet.

All plans and some of my write-ups are on my webpage.

Thought I'd try to submit something useful today.

72/Ed we6w

--

-72/Ed WE6W; AR Millennium Q's=> 2479/2000 A-1 OP

<http://www.qsl.net/we6w> Santa Rosa, CA

QRP-Z#106 AR#112 HI-QRP#64 ARCI#9397 ARS#275 QRP-L#1068 Old NC#2227

Date: Fri, 14 Jan 2000 21:24:11 +0000

From: wb2vuo@juno.com

To: qrp-l@lehigh.edu

Subject: [60335] W1HUE/7 - Larry

Message-ID: <20000114.212412.-153973.0.wb2vuo@juno.com>

MIME-Version: 1.0

Content-Type: text/plain

Content-Transfer-Encoding: 7bit

Sorry for the post for the whole List, but I misplaced your question on the Cyrix CPU's

Tuner Service is out of the 6x86-PR233-MMX, but looking for more of them.
Let me know if you are interested, and I'll save your address this time!

72/73, Keith, WB2VUO, 100% QRP from the Depths of the Great Bergen Swamp
My night light runs more power than my Rig!!!

YOU'RE PAYING TOO MUCH FOR THE INTERNET!

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<http://dl.www.juno.com/get/tagj>.

Date: Fri, 14 Jan 2000 16:54:17 -0500

From: hattonte@gdls.com

To: qrp-l@Lehigh.EDU

Subject: [60336] Solder Lugs

Message-ID: <0FDE56F838.48D704A6-0N85256866.00739398@gdls.com>

MIME-Version: 1.0

Content-type: text/plain; charset=us-ascii

Anyone know of a source of those good ole fashion solder lugs that you can solder (ie, not crimp)?

72 de Terry
KI8JA

Date: Fri, 14 Jan 2000 14:57:26 -0700 (MST)
From: af852@rgfn.epcc.edu (William R Colbert)
To: kleibe@anatel.gov.br, qrp-1@lehigh.edu
Subject: [60337] Re: mobile antenna for 7mhz!
Message-ID: <200001142157.0AA14219@rgfn.epcc.edu>

You might try this site: <http://people.delphi.com/CecilMoore/>
I think it is still good - had good info on constructing
mobile antennas - Last time I saw Cecil, he had moved qth
to east Texas but still had the website.

73
Ray

--
"The more I see of the representatives of the people,
the more I admire my dogs."
letter from Count d'Orsay to John Foster 1850

Ray Colbert, W5XE, OOTC 3618, SOWP 1064M NARTE-NCT2
(also w5xe@juno.com El Paso, (FAR WEST) TEXAS

--
Ray Colbert, W5XE
OOTC 3618, SOWP 1064M
El Paso, Tx (FAR WEST TEXAS!)
also: w5xe@juno.com

Date: Fri, 14 Jan 2000 17:00:06 -0500 (EST)
From: "L. B. Cebik" <cebik@utkux.utcc.utk.edu>
To: K1zw <ac5ez@webtv.net>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [60338] Re: vertical alignment
Message-ID: <Pine.GS0.4.10.10001141656380.22406-100000@moe.cas.utk.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Fri, 14 Jan 2000, K1zw wrote:

>Has any noticed if a vertical is say, a few degrees off vertical, that
>it makes any difference ? How perfect do I have to be with this thing?
>:)

>BTW this 26 ft vertical is going up on an eight ft pipe.

Electrically, the few degrees will make no significant difference in performance. However, analyze the physical situation carefully to ensure that the tilt does not make a mechanical difference--for example, possible stresses in severe weather. The materials, mounting technique, and similar considerations make it hard to say at a distance whether being a few degrees off vertical will make a difference in durability. However, electrically, the antenna should perform normally.

-73-

LB, W4RNL

L. B. Cebik, W4RNL	/\ /\ *	/ / /	Tel: (423) 938-6335
1434 High Mesa Drive	/ \ / \	----/\---	
Knoxville, Tennessee	/\ \ \ \	/ / /	http://www.cebik.com
37938-4443 USA	/ \ \ \ \		e-mail: cebik@utk.edu

Date: Fri, 14 Jan 2000 16:20:45 -0800
From: Bob Kellogg <ae4ic@nr.infi.net>
To: nkennedy@tcainternet.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [60339] Re: QRP Wattmeter
Message-ID: <387FBD5D.A4F06679@nr.infi.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Guys,

I believe the OHR WM-2 meter is based on this circuit, isn't it?

Nick Kennedy wrote:

> If you're looking to homebrew, there's a neat
> circuit in the February 1990 QST by Roy Lewallen. It's "A
> simple and accurate QRP Directional Wattmeter." It has
> scales of 10 watts, 1 watt and 100 mw and is said to be able

> to read down to 5 mw.

CUL,
Bob Kellogg, AE4IC Greensboro, NC
Prolably, not nececelery. - Benny Hill

Date: Fri, 14 Jan 2000 16:50:56 -0800
From: Bob Kellogg <ae4ic@nr.infi.net>
To: QRP-L <qrp-l@Lehigh.EDU>
Cc: klqrp <klqrp@vramp.net>
Subject: [60340] Operating event - QRPowWow
Message-ID: <387FC46F.EA3B5B30@nr.infi.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Gang,

Next thursday evening, January 20, the Knightlites are going to do it again!

Last month we had the last operating event of the Century. We had a ball at our regular QRPowWow. After the show and tell, we went outside and worked many of you on temporary antennas set up in a lot next to the Golden Corral. Special QSL cards are being sent to those who contacted us.

Well, next week will be the ****First**** operating event of the new century, and we're making plans for another operating event. The QRPowWow will be a special one, with super guests.

Help us celebrate the new Century! Join us in spirit by working our club station, WQ4RP.

We will have an operating tent set up to house the rigs, and antennas for 80M, 40M and 20M. Look for us around the usual QRP calling frequencies. We will be operating to test our set up around 5 PM eastern time, for at least an hour or so. Then we will eat, and resume operating after 9 PM for the next hour or so. Antennas will be even better than last time. Last month we had a great turnout and operated longer than planned, so it's possible that someone will be manning the rigs throughout the evening.

Mark your calendars. We will have another special QSL card.

See you on the air!!

72/73,
Bob Kellogg, AE4IC Greensboro, NC
Probably, not necessary. - Benny Hill

Date: Fri, 14 Jan 2000 15:11:41 -0700
From: Roger Hightower <n7kt@earthlink.net>
To: ac5ez@webtv.net
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [60341] Re: vertical alignment
Message-ID: <387F9F1D.F7FA0270@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Some time ago when I sunk a pipe to mount my R-7, it ended up about 10 deg. off plumb, sort of to the Southeast. I don't think it's cost me any Q's.....may even help by twitching the takeoff angle a bit, :-)

--

72.....Roger

Roger Hightower, N7KT Mesa, AZ K2#591

Date: Fri, 14 Jan 2000 16:03:59 -0600
From: "Dan W. Dooley" <dandooley@pipeline.com>
To: <radioham@erols.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [60342] Re: QSL's -/QRP
Message-ID: <006501bf5edb\$42db99c0\$05987b7b@CSS0048.bergenbrunswick.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Did I miss something here? What's the deal on /QRP on cards? Do I interpret it to mean that if I work a station, and I am QRP, that in order for the card from him to be valid, it must so indicate MY QRP status?

If that's a rule, I'm not necessarily going to knock it, but I'd like to know for sure for my benefit and that of another QRP station I may work.

Dan W. Dooley WB5TKA
e-mail to: dandooley@pipeline.com
May Goddes love blest ye alle

-----Original Message-----

From: radioham@erols.com <radioham@erols.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Date: Thursday, January 13, 2000 9:44 PM
Subject: QSL's -/QRP

>Not exactly sure which organizations require that the card you receive as
>the QRP station says /QRP, but it is not QRP ARCI. All our awards depend
>on your integrity to operate at the power you say you do. It is the height
>of hypocrisy to demand that the station you worked somehow indicate that
>you were indeed QRP at the time you worked them. How do they know what you
>were?? They are depending on your original representation to start with.
>If this is a requirement of any organization, it is outmoded, outdated and
>plain bureaucratic. QRP ARCI accepts e-mail confirmation of contacts in
>addition to normal copies of QSL cards, though we prefer a GCR.

>

>This is the year 2000. It's about time silly rules which had little or no
>purpose in the first place get revised.

>

>72/73,

>

>Steve, N4EUK

>QRP ARCI Awards Manager

><http://www.qrparci.org>

>

Date: Fri, 14 Jan 2000 21:35:59 +0000
From: wb2vuo@juno.com
To: qrp-l@lehigh.edu
Subject: [60343] Re: Source for THIN WHITE Wire for 'invisble' antenna?
Message-ID: <20000114.215004.-153973.1.wb2vuo@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

I have not used it for years, but there used to be #30 Kynar-insulated wire for wire-wrap applications in various colors. Not a "Radio Shack" item, but jow about DigiKey or Mouser?

In the mid-70's it was pretty cheap for a spool, and there was at least

100' in a spool.

72/73, Keith, WB2VU0, 100% QRP from the Depths of the Great Bergen Swamp
My night light runs more power than my Rig!!!

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<http://dl.www.juno.com/get/tagj>.

Date: Fri, 14 Jan 2000 18:06:43 -0500

From: "Wilford D. Lindsey" <70511.3041@compuserve.com>

To: "INTERNET:dandooley@pipeline.com" <dandooley@pipeline.com>

Cc: "W.D.(Doc)Lindsey/K0EVZ" <70511.3041@compuserve.com>, QRP-L Discussion Group
<QRP-L@Lehigh.edu>

Subject: [60344] Re: QSL's -/QRP

Message-ID: <200001141809_MC2-94BF-BFCC@compuserve.com>

MIME-Version: 1.0

Content-Transfer-Encoding: 7bit

Content-Type: text/plain;

charset=us-ascii

Content-Disposition: inline

Dan and Gang:

>From what I can learn, it is *not* necessary for the /QRP to be there. A couple of guys had said they were returning their cards to me for this to be added to their call signs, etc. I will happily do this, of course.

But Steve N4EUK the awards manager for ARCI said his organisation does not require this at all. Others say they have no knowledge of any organisation requiring it.

So there it is. If anyone knows anything else which might be useful, please let all of us know. Thanks :-).

72,

--Doc Lindsey/K0EVZ

DSBF

PO BOX 6028

Bismarck, ND 58506

K0EVZ@arrl.net

Date: Fri, 14 Jan 2000 18:11:31 -0500
From: "Brian K. Miller" <millerbk@lancnews.infi.net>
To: wb3aal@talon.net
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [60345] Re: New Movie - Frequency
Message-ID: <387FAD23.66F9AFDD@lancnews.infi.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I saw it too, Ron.

Looked like the rigs were Heathkits. Hopefully the movie gives a positive portrayal of Ham Radio (and doesn't present it as glorified CB).

The reviewers will probably hate it due to it's bizarre premis.
We'll have to wait and see...

72/73, Brian K3ZEN

Ron Polityka wrote:

>
> Hello,
>
> I was just watching Entertainment Tonight and they did
> a review of a new movie that is coming out soon. It is
> called:
>
> Frequency
>
> It is about a son talking to his father who is dead for 20
> years via ham radio. The father said we must be talking
> on the biggest solar flare of all times. It looked like vintage
> Heathkit equipment.
>
> Did anyone else catch this preview?
>
> 72 & 73
> Good DXing
>
> Ron Polityka
> de WB3AAL
> wb3aal@talon.net
>
> vvv Eastern Pennsylvania QRP Web Page vvv
> <http://www.n3epa.org>
> Eastern Pennsylvania QRP Club Call --> N3EPA
>
> EPA QRP #1 NJ QRP #179
> KL7 QRP # 309 G-QRP # 3031

> ARCI QRP # 5318 10 - X #13173
> NorCal Zombie #625
> ARS # 380 HI-QRP #153
> VA QRP Society
>
> SETI @ Home Project
> <http://setiathome.ssl.berkeley.edu>
> 120 + Work Units Completed

Date: Fri, 14 Jan 2000 18:29:59 -0500
From: "Brian K. Miller" <millerbk@lancnews.infi.net>
To: gsurrency@juno.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [60346] Re: More HBR-20 notes
Message-ID: <387FB177.3563BFA0@lancnews.infi.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Do you remember the Lafayette HE-30 general coverage receiver? That, along with a Viking Challenger was my first rig in '65. Worked for a Lafayette branch here in Lancaster part-time while in College.

Memories...

72/73 8^) Brian K3ZEN

gsurrency@juno.com wrote:

>
> Alex,
>
> I particularly liked the part about the old Lafayette S-meter. I spent a
p an article on it for QRPP or QQ. I for one, would love to read it.
>
> 72,
>
> Juno now offers FREE Internet Access!
> Try it today - there's no risk! For your FREE software, visit:
> <http://dl.www.juno.com/get/tagj>.

Date: Fri, 14 Jan 2000 15:32:27 -0800 (PST)
From: Monte Stark <ku7y@dri.edu>
To: "Wilford D. Lindsey" <70511.3041@compuserve.com>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [60347] Re: QSL's -/QRP
Message-ID: <Pine.GS0.4.10.10001141528480.19439-1000000@rotor.dri.edu>

MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi All,

About the only thing I have heard about QSLs is that where you state the mode is needs to say something about being 2 way.

Notice that most store bought cards will say 2x or 2 way in the mode box.

That is from a rule that SSB to CW contacts don't count for ARRL CW awards. (I have no idea if they would count for SSB awards).

And if you want to put the /QRP after the other stations call, all you are doing is showing what he sent to you.

You are NOT say that he was QRP. You really have no way of knowing for sure.

cul,

73, Ron

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....
....ku7y@dri.edu....Washoe Lake, Nevada....NRA LIFE....
.....SOWP 5545M.....WHINERS #1.....ZOMBIE #18.....

Date: Fri, 14 Jan 2000 15:46:49 -0800
From: Ed Loranger <we6w@qsl.net>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [60348] Sierra Audio expectations.
Message-ID: <387FB569.612B2027@qsl.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi Gang, a friend asked that I enjoy the use of his Sierra and perhaps align one of the modules while I enjoy the rig for a few months. Certainly.

So it arrived Wednesday and I immediately and quickly determined it to be in good order. I fired it up

and got 2.8 Watts out using a 13.6 Volt supply. I had the WM-2 feeding the ZM-2 RF Bridge and tuned the reflected power to ZERO milliwatts. The output power measured as above. The TX and RX were perfect. The audio was a bit weak, however.

I like BIG HOOTIE Audio power. We are talking QRM Busting Audio. Next to the freeway with a speaker on the rig and getting Q5 copy without headphones, type of audio. And the ability to turn it down :)

So I'm wondering if the Sierra is sensitive to the type of headphones used. I have this pair that my son uses on his gameboy and it is very loud on the gameboy.

Is it normal to run both the RF and AF gain full all the time?

The argonaut 509 on the other hand is so loud with signals on the same antenna that both the RF and AF gain are only up 1/10 turn.

I'll be checking this out but I don't have any references to what is normal for the Sierra.

Either way, it is a beautiful radio and pulls in the weakest stations quite clearly, just not loud.

Private replys please. I really want to hear from people with BIG Audio from their Sierra, and how they got it.

Thanks and See you on WSN/QRQ-Low/QRQ-High speed nets!
72/Ed we6w

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-72/Ed WE6W; AR Millennium Q's=> 2479/2000 A-1 OP
<http://www.qsl.net/we6w> Santa Rosa, CA
QRP-Z#106 AR#112 HI-QRP#64 ARCI#9397 ARS#275 QRP-L#1068 Old NC#2227

End of QRP-L Digest 1700
